



International Air Transport Association

Certificate

This is to certify that

Yang Kai Ling

has successfully passed with distinction the IATA Aviation Training and Development Institute

In-Company course for THE AIR FREIGHT FORWARDERS ASSOCIATION – R.O.C.

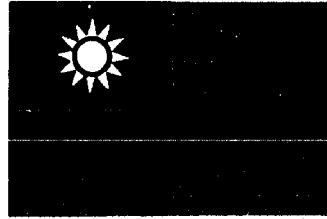
DANGEROUS GOODS REGULATIONS REFRESHER

Taipei, 13 – 15 December 1999

Guy Chiasson

Director, IATA Aviation Training and Development Institute





民用航空局技術人員訓練所

Aeronautical Training Center

Civil Aeronautics Administration M.O.C.

Republic of China

Serial No.088-DG-RE-008

Tan Ah Bah
TAN AH BAH, ANSELMN
IATA LEARNING CENTRE

結業證書

Certificate of Training

茲證明

This is to certify that

楊凱玲
YANG, KAI-LING



已合格完成 航空貨運危險物品安全處理 訓練 (複訓訓練)

has satisfactorily completed a THREE DAYS hour/week course in

IATA DANGEROUS REGULATIONS REFRESHER
TRAINING COURSE 1st CLASS OF 1999

自 88 年 12 月 13 日 至 88 年 12 月 15 日

For the period: DEC. 13, 1999-DEC. 15, 1999

張有恆

局長 *Yu-Hen Chang*

Director General, Civil Aeronautics Administration

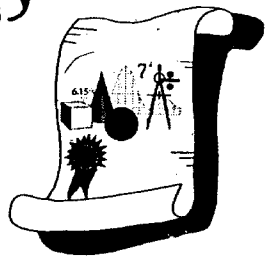
Issued at Taipei, Taiwan, R. O. C. DEC.15, 1999

Joe Wang

所長 *Joe Wang*

Director, Aeronautical Training Center

中華民國 88 年 12 月 15 日 頒發



*The Airfreight Forwarder's Association
Taipei Taiwan*

This is to certify that

楊凱玲
YANG, KAI-LING

has passed the requisite examination

*Dangerous goods (REFRESHER) course
comprising local regulation & practices and international
handling and acceptance procedures endorsed by*

Civil Aeronautics Authority Ref No. 088-DG-RE-008

Taipei, 13-15 Dec. 1999

*The Airfreight Forwarder's Association
as course co-ordinator*

Signature of Instructor



Samson Pao
Secretary General



Anselmn Tan Ah Bah - Course Consultant / Instructor
IATA Customer and Service Division



Class 4 - Other Flammable Hazards



Division 4.1



Division 4.2



Division 4.3

Class 5 - Oxygen Sources



Division 5.1

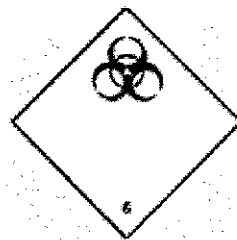


Division 5.2

Class 6 - Substances affecting Health



Division 6.1



Division 6.2

Note: The Class 6.1 packing group III label is no longer used. It is shown here for illustration purposes only. The pictogram was intended to convey the meaning of "poisonous, keep away from foodstuffs".

Class 7 - Radioactive Material



White

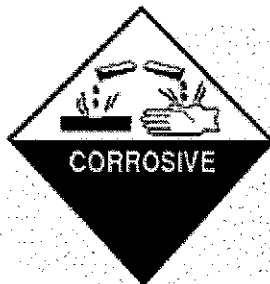


Yellow II

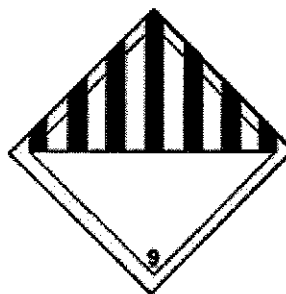


Yellow III

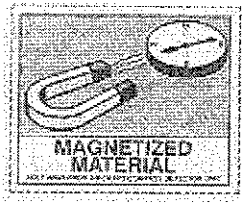
Class 8 - Corrosive Materials



Miscellaneous Hazards



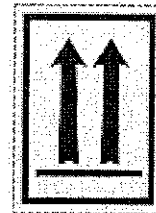
Handling Labels



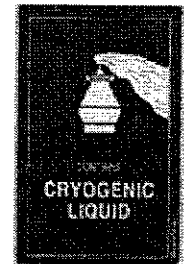
Magnetized Material



Cargo Aircraft Only



This Way Up



Packaging

The key to safety in transporting dangerous goods is the packaging. Of course, good packaging is simply good business. As a shipper of any commodity, you want to make sure that your package and contents arrives at its destination in good order. In the case of dangerous, the Dangerous Goods Regulations sets out exactly how the product must be packaged. This may involve a limitation on the quantity of material in the package, it may require that the goods are in an inner packaging within a strong outer, it may require absorbent material and so on.

Training

The Regulations require that persons involved in the transportation of dangerous goods be trained. This training is intended to ensure that all shipments of dangerous goods are properly and fully prepared by knowledgeable and experienced personnel.

Before a consignment of dangerous goods is presented to the airline for transport all people involved in its preparation must have received training to enable them to carry out their responsibilities. Failure to obtain training may be a contributory cause of a violation of national dangerous goods regulations which could involve heavy financial or custodial penalties.

All categories of staff involved in the movement of dangerous goods by air are legally required to have job-specific training. Training must be provided or verified when an employer hires an individual who will be involved in the movement of dangerous goods. Refresher or recurrent training must be received within 24 months of previous dangerous goods training to make sure that the student's knowledge is up-to-date.

The training for operator, or airline staff must be approved by the competent national authority of the Country where the operator or airline is based. The competent authority should also determine the review and approval procedures for all other training

A record of training must be maintained by the employer which must show the name of each individual trained, the date of the most recent training, a description of the training and the name

and address of the organisation providing this training. There must be a certificate issued when the training was conducted showing that the individual has completed a test satisfactorily. These records must be available upon request to the competent authority.

Explosive Hazards

Note: The following description is not intended to be a definitive technical description of explosives nor of the meaning of this term in the area of the Transportation of Dangerous Goods.

Explosives are a special category of dangerous goods. Also, they are special in that the packaging of the material is an integral part of the explosive itself. Different packagings containing the same chemical may make for a different explosive.

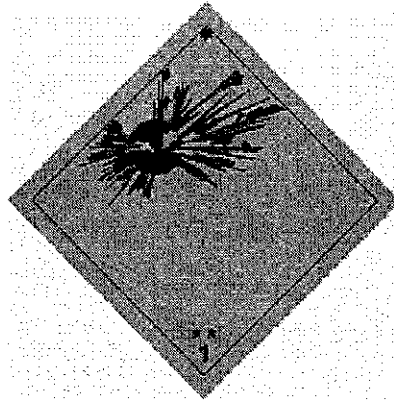
Explosions are essentially very fast chemical reactions which release large quantities of gas. For example a solid is converted to a gas in a fraction of a second.

Unlike other dangerous goods, only a government competent authority can designate a material as being an explosive.

Explosives include:

- Sporting ammunition
- Blasting charges and detonators
- Military armaments
- Fireworks, Flares and so on.

There are two main types of explosives and these are identified by the two types of explosive labels. The first is characterised by the "exploding bomb" image in the top of the label. The second only has the division number, 1.4, 1.5 or 1.6. The principal difference between these is that the latter group is "insensitive" and are extremely difficult to initiate an explosion in.



Chemically, an explosive is a substance that reacts with itself, and will do so quickly and so quickly that an explosion takes place. Other self-reactive substances would not be called explosives.

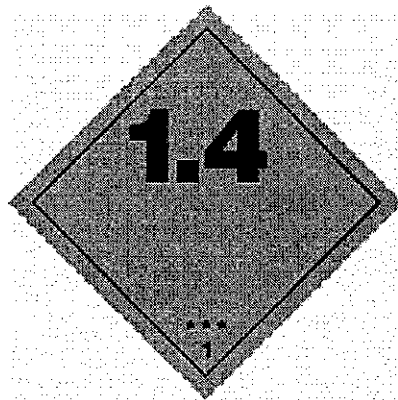
Explosives are more precisely divided into six separate "divisions" and 13 compatibility groups.

Class 1 is divided into six divisions:

- 1.1 - Mass explosion hazard.
- 1.2 - Projection hazard but not a mass explosion hazard.
- 1.3 - Fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard. This division comprises articles and substances that:
 - give rise to considerable radiant heat, or
 - burn one after another, producing minor blast and/or projection effects.
- 1.4 - No significant hazard (only a small hazard) in the event of ignition or initiation during transport. The effects are largely confined to the package and no projection of fragments of appreciable size or range is to be expected. An external fire must not cause practically instantaneous explosion of virtually the entire contents of the package.
- 1.5 - Very insensitive substances, having a mass explosion hazard, which

are so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of transport. As a minimum requirement they must not explode in the fire test.

- 1.6 - Extremely insensitive articles which do not have a mass explosion hazard. This division comprises articles which contain only extremely insensitive detonating substances and which demonstrate a negligible probability of accidental initiation or propagation.



For safety reasons, explosives are usually designed to be extremely insensitive. However, an insensitive explosive requires a means of initiation, usually another explosive. Consequently, for transportation, explosives must be segregated from their initiators. This is achieved by further dividing explosives into compatibility groups.

There are 13 compatibility groups, each identified by a letter of the alphabet. In general, explosives are not permitted on passenger aircraft. The exception are the so-called safety explosives. These are division 1.4 and compatibility group "S".

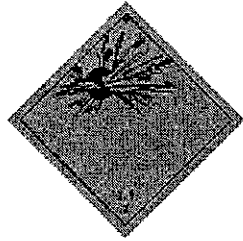
Explosives Compatibility Groups

- A - Primary explosive substance
- B - Article containing a primary explosive substance and not containing two or more effective protective features. This includes blasting detonators and assemblies for blasting and cap type primers, even though they do not contain primary explosives.
- C - Propellant explosive substance or other deflagrating explosive substance or article containing such explosive substance

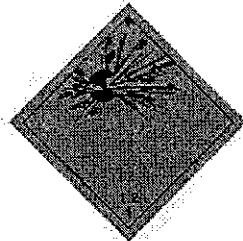
- D - Secondary detonating explosive substance or black powder or article containing a secondary detonating explosive substance, in each case without means of initiation, and without a propelling charge or article containing a primary explosive substance and containing two or more effective protective features
- E - Article containing a secondary detonating explosive substance, without means of initiation, with a propelling charge (other than one containing a flammable liquid or gel or hypergolic liquids)
- F - Article containing a secondary detonating explosive substance, with its own means of initiation, with a propelling charge (other than one containing a flammable liquid or gel or hypergolic liquids) or without a propelling charge
- G - Pyrotechnic substance, or article containing a pyrotechnic substance, or article containing both an explosive substance and an illuminating, incendiary, tear- or smoke-producing substance (other than a water-activated article or one containing white phosphorous, phosphide, a pyrophoric substance, a flammable liquid or gel, or hypergolic liquids)
- H - includes white phosphorous
- J - includes flammable liquid or gel
- K -includes toxic chemical agent
- L - Special risk, e.g. due to water activation, or the presence of hypergolic liquids, phosphides or a pyrophoric substance, needing isolation of each type
- N - Extremely insensitive detonating substances
- S - Any hazardous effects arising from accidental functioning are confined within the package unless the package has been degraded by fire, in which case all blast or projection effects are limited to the extent that they do not significantly hinder or prohibit fire fighting or other emergency response efforts in the immediate vicinity of the package

Types of explosives are identified by a range of labels:

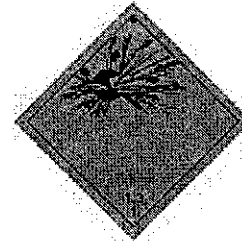
Explosive Labels



Division 1.1



Division 1.2



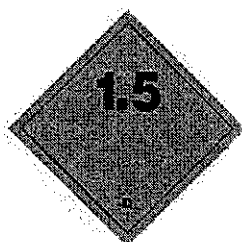
Division 1.3



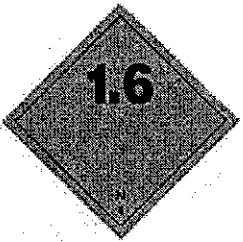
Division 1.4



Division 1.4S



Division 1.5



Division 1.6

Compressed Gases

Note: The following description is not intended to be a definitive technical description compressed gases nor of the meaning of this term in the area of the Transportation of Dangerous Goods.

Compressed gases may include any of the other hazards. They are included in separate class for a number of reasons. First, a compressed gas has a physical hazard due to the increased pressure under which the chemical is maintained. Also since gases are fluids and therefore highly mobile, they have the property of being able to extend their hazards over a wide area very quickly. In addition, this spread of hazard can take place in three dimensions as compared to a liquid's usual two.

Compressed gases include:

- Oxygen, Nitrogen, Compressed Air
- Acetylene, methane, propane,
- Anhydrous hydrogen chloride
- Chlorine, Ammonia, Nitrogen Oxide

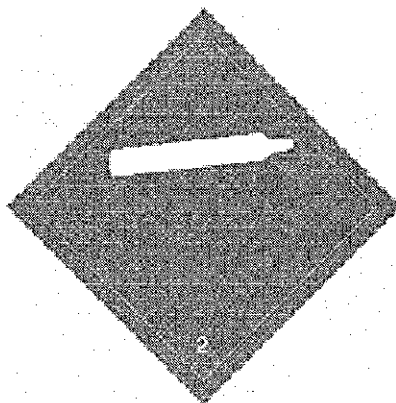
Since gases may have additional hazards, they are further subdivided into 3 divisions. These are identified by one of 3 labels:

Flammable gases present a particularly dangerous hazard. Given the correct conditions, in a confined space they may even explode. Since they burn, they can cause other normally non-hazardous materials to burn as well.



The main category of flammable gases is hydrocarbon gases such as methane, acetylene and so on. Some gases can be liquefied under pressure (propane for example), this means that the given cylinder contains a large volume of gas.

It is important to recognise that flammable gases require oxygen to actually burn. The gas must mix with the oxygen. In addition, in order to begin burning, an ignition source must be present. This is usually a source of high temperature. These are the features which must be carefully controlled in order to be able to handle flammable gases safely.



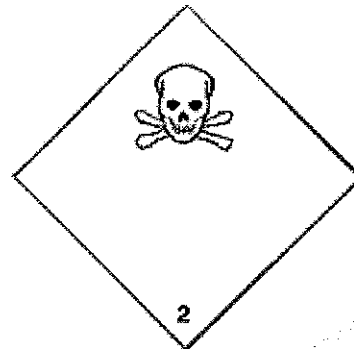
Some gases are neither toxic, nor are they flammable. These have two principal hazards, they are compressed as described above and they have the capability of displacing oxygen from a confined space. Without oxygen, people very quickly become unconscious and will die within 3 or 4 minutes.

Some division 2.2 gases have the additional hazard of being oxidizers. A classic example is of course oxygen itself. Oxygen makes up 20% of the atmosphere but only a small increase in oxygen contain will increase the likelihood of a fire or other chemical reaction and increase the intensity of that fire should it occur.

Toxic (poisonous) gases are particularly dangerous to health since they mix readily with air and can easily enter the body's systems via the lungs.

Of course, some gases are more toxic than others. Some are so toxic that they are lethal in small concentrations even when they are absorbed via the skin. These are usually exotic chemicals which used to be manufacture for military use. Fortunately they are not commercially transported.

However, other chemicals which are extremely toxic are including hydrogen sulphide. All toxic gases are banned for air transport.



Flammable Liquids

Note: The following description is not intended to be a definitive technical description of flammable liquids nor of the meaning of this term in the area of the Transportation of Dangerous Goods.

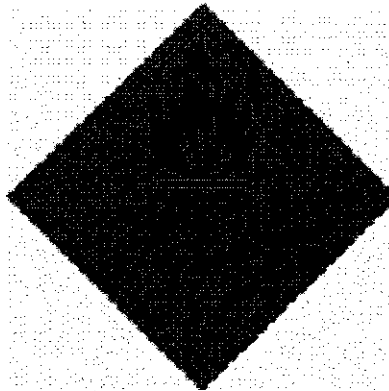
Flammable liquids, as the name implies, are liquids which burn. Note however, it is not the liquid itself that burns, but the chemical's vapour above the liquid. In general, the easier it is to get the liquid to burn the higher the hazard. This will be a function of the physical and chemical properties of the liquid. In general, two simple measurements are used to determine whether a liquid is flammable or not, the flash point and the boiling point.

Examples of flammable liquids include

- Petrol/gasoline
- Alcohols
- Solvents e.g. benzene

Flammable Liquids are identified by the following label:

The importance of flammability cannot be over-emphasized. Flammable liquids once they are burning will cause many normally stable materials (eg wood) to burn. The hazard is then extended far beyond the initial spill area. They can cause other packagings to burn and with the extreme heat, cause failure in the bottles, tins and drums containing other dangerous goods which may include more flammable liquids.



Burning materials produce large quantities of smoke which may be toxic (eg, burning plastic) and is oxygen deficient.

Other Flammable Hazards

Note: The following description is not intended to be a definitive technical description.

Flammability is the principle hazard associated with dangerous goods.

Class 2.1 is flammable gases, class 3 is flammable liquids and class 4.1 is flammable solids. However, there are other flammable hazards and these are described below.

Class 4.1

- flammable solids;
- self-reactive and related substances;
- desensitised explosives.

Class 4.2

- Substances liable to Spontaneous Combustion
- Pyrophoric liquids
- Pyrophoric solids
- Self-heating substances

Class 4.3

- Substances which, in contact with water, emit flammable gases

Each of these separate classes is identified by a label:

Flammable solids are readily combustible solids and solids which may cause fire through friction. Readily combustible solids are powdered, granular or pasty substances which are dangerous if they can be easily ignited by brief contact with an ignition source, such as a burning match, and if the flame spreads rapidly. The danger may not only come from the fire but also from toxic combustion products. Metal powders are especially dangerous because of the difficulty of extinguishing a fire since normal extinguishing agents such as carbon dioxide or water can increase the hazard.

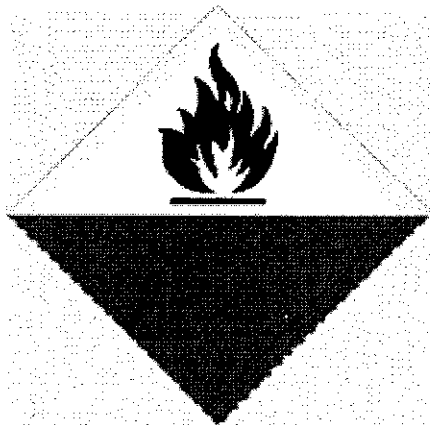


Self-reactive substances of Division 4.1 are thermally unstable substances liable to undergo a strongly exothermic decomposition even without the participation of oxygen (air).

The decomposition of self-reactive substances can be initiated by heat, contact with catalytic impurities, e.g. acids, heavy-metal compounds, bases, friction or impact. The rate of decomposition increases with temperature and varies with the substance. Decomposition, particularly if no ignition occurs, may result in the evolution of toxic gases or vapours. For certain self-reactive substances, the temperature must be controlled. Some self-reactive substances may decompose explosively, particularly if confined; this characteristic may be modified by the addition of diluents or by the use of appropriate packagings. Some self-reactive substances burn vigorously. Self-reactive substances include some of the following types of compounds:

- aliphatic azo compounds (-C-N=N-C-);
- organic azides (-C-N₃);
- diazonium salts (-CN₂+Z-);
- N-nitroso compounds (-N-N=O); and
- aromatic sulphohydrazides (-SO₂-NH-NH₂).

Substances with other reactive groups and some mixtures of substances may have similar properties.



Self-heating of a substance leading to spontaneous combustion is caused by a reaction of that substance with oxygen (in the air) if the heat developed is not conducted away rapidly enough to the surroundings. Spontaneous combustion occurs when the rate of heat production exceeds the rate of heat loss and the auto-ignition temperature is reached. Two types of substances can be distinguished with spontaneous combustion properties:

- Pyrophoric substances -- substances (liquid or solid) including mixtures and solutions which, even in small quantities, ignite within 5 minutes of coming in contact with air. These substances are the most liable to spontaneous combustion;
- Self-heating substances -- solid substances which generate heat when in contact with air without an additional energy supply. These

substances will ignite only in large amounts (kilograms) and after long periods of time (hours or days).

Certain substances in contact with water emit flammable gases which can form explosive mixtures with air. Such mixtures are easily ignited by all ordinary sources of ignition, for example naked lights, sparking handtools or unprotected light bulbs. The resulting blast wave and flames may endanger people and the environment.



Oxygen Rich Hazards

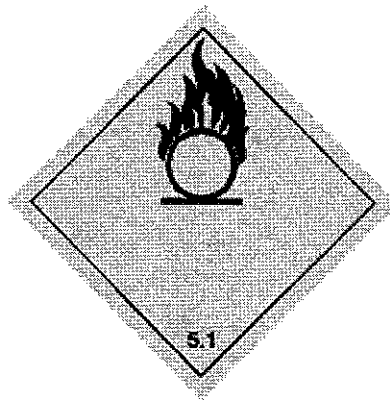
Note: The following description is not intended to be a definitive technical description.

Flammability is the principle hazard in the transportation of dangerous goods. In consequence, chemicals which will accelerate combustion are also considered to be hazardous.

Examples of Oxygen Sources are:

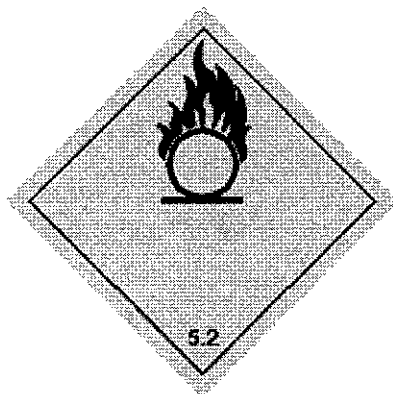
- Sodium Chlorate
- Hydrogen Peroxide
- Methyl Ethyl Ketone
- Sodium Sulphite

Oxidizers are chemicals which contain one or more oxygen atoms which are readily available for reaction with other chemicals. The simplest oxidizer is of course oxygen itself. Others can be identified with the chemical family suffix of "ite" or "ate".



Oxidizers may not be particularly hazardous on their own. They require some other event or condition such as a chemical reaction or fire (which is of course only a particular kind of chemical reaction) for their hazard to be realised.

However, they may quite "corrosive" particularly where moisture is available. This is probably not enough to make them a class 8 hazardous material, but will be extremely irritating to any person attempting to handle the material without proper protective clothing.



Organic peroxides are unique in dangerous goods because this particular hazard class is a specific chemical family. Substances which contain the bivalent structure -O-O- are known as organic peroxides. They may be considered derivatives of hydrogen peroxide in which one or both of the hydrogen atoms have been replaced by organic radicals. Hydrogen peroxide is made up of two hydrogen atoms and two oxygen atoms connected in a chain: H-O-O-H.

Organic peroxides are thermally unstable substances which may undergo exothermic, self-accelerating decomposition. In addition, they may have one or more of the following properties:

- be liable to explosive decomposition;
- burn rapidly;
- be sensitive to impact or friction;
- react dangerously with other substances;
- cause damage to the eyes.

Health Hazards

Note: The following description is not intended to be a definitive technical description.

Health hazards include those products and materials which have an adverse effect on the humans and animals. There are two main agents that do this, toxic (poisonous) materials and infectious materials.

Class 6 materials include:

- Pesticides, though not usually herbicides.
- Heavy metal products such as wood preservatives.
- Tissue/Blood samples containing e.g. hepatitis, yellow fever

Toxic materials are identified with the following label:

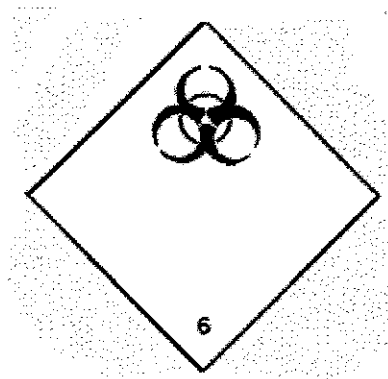
Toxic substances (poisons) are extremely common. Too much of just about anything when eaten by a person will very likely make them extremely ill or even cause death. A good example is common salt, sodium chloride, which is actually more toxic than some herbicides.



For transportation purposes, only "acute toxicity" is considered, not the long term effects or "chronic toxicity". Since, it is actually quite improbable that anyone would accidentally ingest a toxic material being transported, quite a high level of toxicity is required.

This point was actually made a distinction in the transportation of dangerous goods up until two years ago when substances with a low toxicity were not called toxic, but had a special label entitled "Harmful, keep away from foodstuffs".

Today, this distinction is not made and all these materials are called toxic. This label is shown below.



Infectious substances is an interesting dangerous goods category. Obviously, when you have a cold or the flu, you are carrying infectious substances, but you aren't regulated as a dangerous goods! Of course some people will tell you to go home to bed and not to spread your cold around! In dangerous goods terms, only highly infectious substances which can cause serious health effects are regulated.

The World Health Organization divides infectious substances into 4 risk categories as follows:

Risk Group IV - (high individual risk, high community risk): micro-organisms that cause severe human or animal disease, which may present a high risk of spreading and there is usually no effective prophylaxis or treatment available;

Risk Group III - (high individual risk, low community risk): micro-organisms that cause severe human or animal disease, which may present a high risk of spreading but there is usually effective prophylaxis or treatment available;

Risk Group II - (moderate individual risk, limited community risk): micro-organisms that cause human or animal disease, which are unlikely to spread and there is usually effective prophylaxis or treatment available;

Risk Group I - (low individual and community risk): micro-organisms that are unlikely to cause human or animal disease.

Radioactive Hazards

Note: The following description is not intended to be a definitive technical description of explosives nor of the meaning of this term in the area of the Transportation of Dangerous Goods.

Perhaps the most difficult dangerous goods hazard to explain is radioactivity. All materials are to some extent radioactive and consequently radioactivity is all around us. This is called background radioactivity. Obviously, there is no point in regulating all materials! Relying on the enormous amount of research and practical experience that has gone into radioactivity since its discovery by Madame Curie in the 19th century, the International Atomic Energy Authority (IAEA) based in Vienna has set levels at which radioactive material becomes regulated.

The Uses for radioactive materials include:

- Radiopharmaceuticals used for cancer treatment.
- Oilwell analysis
- Identifying faults in steel structures.
- Power generation

Packages containing radioactive material are identified by one of 3 labels:

Radioactivity as a hazard is somewhat different from the other 9 hazard classes because it is not a potential hazard. Radioactivity is being given off all the time. Hence the packaging is designed to ensure that only an acceptable amount of activity will be released. The design and construction of the packaging is therefore very strictly controlled since this is what makes radioactive material safe for transportation. The lowest level of hazard is indicated by the Radioactive "white" label. This indicates a very low hazard.





A "yellow" label is a higher degree of hazard. The package is designed to release no more than the one bearing the white label, but the actual amount of radioactivity inside is higher.

Radioactivity takes several forms depending on how the atom decays.

Radioactivity is the result of atoms of decaying. You will recall from your high school chemistry that elements like carbon, hydrogen, iron, and so on can have several isotopes, atoms of different weights. While a large number of isotopes are stable, more are not. These unstable isotopes decay by given off radioactivity. It is impossible to tell when a particular atom will decay, but since there are so many atoms even in a small amount of material, and since radioactivity obeys some very straightforward statistical rules, the amount of radioactivity in a given amount of a particular of material can be calculated very precisely. This allows experts to build packaging designed to ensure that the package is safe during transportation.



Corrosive Hazards

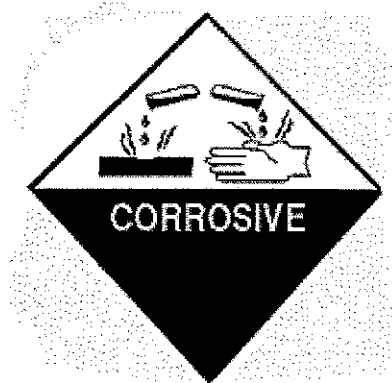
Note: The following description is not intended to be a definitive technical description of corrosive material nor of the meaning of this term in the area of the Transportation of Dangerous Goods.

Corrosive materials are those which react chemically with the steel, aluminium or skin. These fall into the UN class 8. Products with a corrosive hazard include:

- Acids such as hydrochloric, sulphuric and so on.
- Alkalis (bases) such as sodium hydroxide, ammonium hydroxide and so on.
- Amines such as dimethyl amine.
- Some gases such as Chlorine and Ammonia

Packages with class 8 material inside are identified with the following label:

The effect of corrosive material is a slow chemical reaction. This contrasted with all the other classes of dangerous goods. These either have an immediate hazard eg. radioactive, or the hazard is associated with a rapid chemical reaction, eg. flammability.



Since corrosives have to contact the material directly to have any effect, the corrosive risk is usually less than other risks.

An excellent example of a product which presents a very specific hazard due to the mode of transport is Mercury. Under the UN system, mercury (chemical symbol Hg) is a class 8 material, with the relatively low hazard rating of packing group III. For air transport, mercury is assigned packing group I. The reason is simple, airplanes are made out of aluminium and mercury's corrosive properties are such that it readily attacks aluminium seriously weakening the strength of that material. Hence, airlines take particular precautions with mercury.

Miscellaneous Hazards

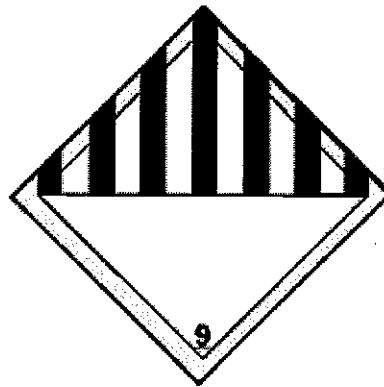
Note: The following description is not intended to be a definitive technical description of explosives nor of the meaning of this term in the area of the Transportation of Dangerous Goods.

There are a number of hazards which don't readily fall into the 9 classes of dangerous goods defined by the United Nations. Usually these are modal specific since they only represent a hazard due to the particular conditions of transport. The air mode is a good example of this. Class 9 hazards include:

- Substances with a noxious odour, (benzaldehyde)
- Substances which are magnetic, (large concert speakers)
- Substances which are transported at an elevated temperature, (molten sulphur)
- Substances which are cold, (solid carbon dioxide)

Packages with class 9 material inside are identified with the following label:

The Miscellaneous dangerous goods label conveys no specific information as to the hazard of the product contained in the package. Only the proper shipping name on the outside of the package or on the documentation will help here.



The Miscellaneous label is always a primary risk. This means if another label is shown on the package, there is more than hazardous product inside. The most common example of this is when Dry Ice, i.e. solid carbon dioxide, is being used as a refrigerant.

Since the label does not convey any specific hazard information, competent authorities such as Australia which require hazard descriptions to be shown on the label, allow the use of the word "Miscellaneous". Otherwise, a different label would be required for every Class 9 product!

A series of training books are available for training all categories of staff who have a legal requirement for training in the carriage of dangerous goods by air. The separate books are:

Book 1: Shippers; Packers; Cargo Agents; Operator's Cargo Acceptance Staff

Book 2: Load Planners and Flight Crew

Book 3: Flight Attendants; Passenger Handling and Screening Staff

Book 4: Loading and Warehouse Personnel

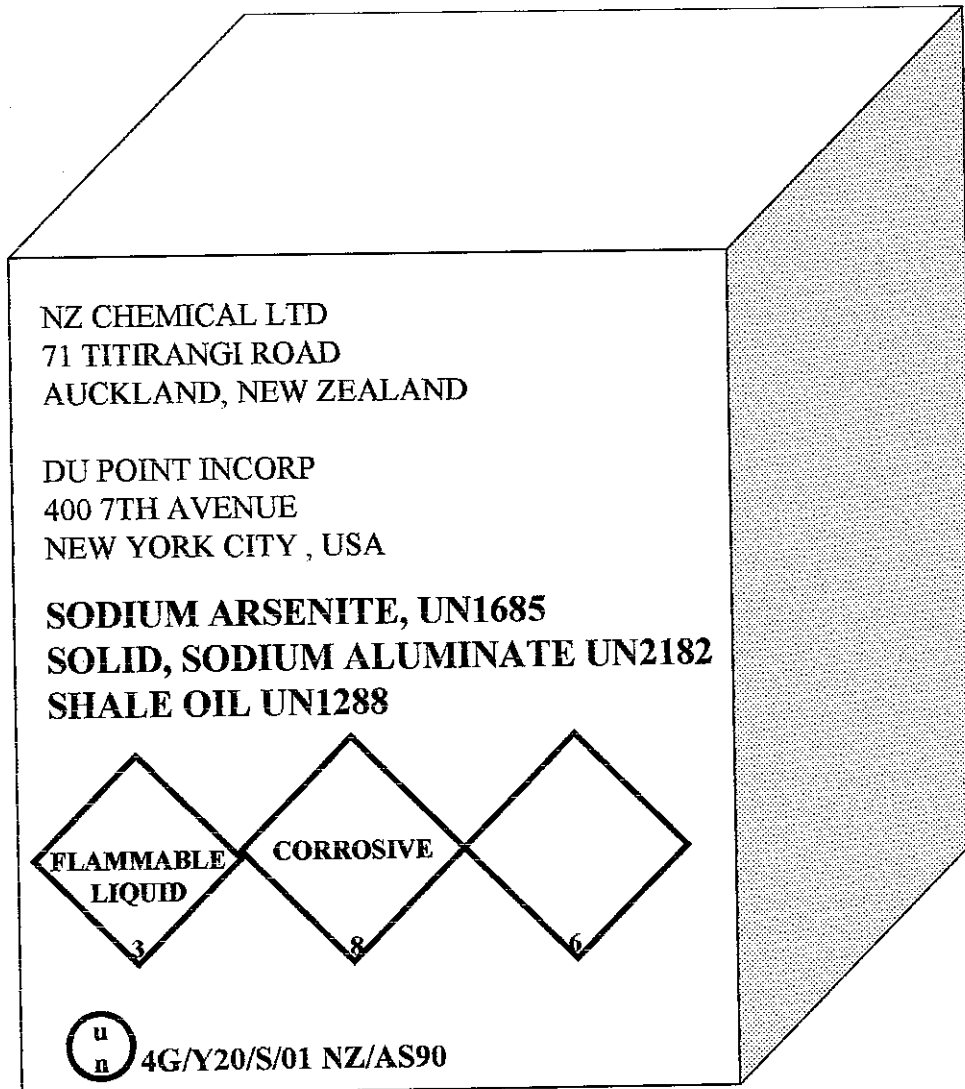
- The books are in simple self-teach format but are also suitable for classroom use.
- This training series is produced by IATA in line with the ICAO Technical Instructions, and it is anticipated they will be adopted by airlines and States as official training programmes.
Published annually.

Shipper JUSTIN CHEMICAL INDUSTRIES 210 EASTGATE CENTRE LONDON WC.1 UNITED KINGDOM	Air Waybill No. 777 111 1111 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee KINOSHITA HEAVY INDUSTRIES 26 SUZUKI TOWERS CHIYODA KU, TOKYO JAPAN							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure: <div style="text-align: center; font-size: 1.2em;">LON</div>				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: <div style="text-align: center; font-size: 1.2em;">TYO</div>	Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">NON-RADIOACTIVE</td> <td style="text-align: center;">RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack-ing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
AMYLAMINE	3	1106	3	8	1 1D X 60L	310	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Mike Charlton, Manager Place and Date London, 1 JAN 2001 Signature <i>(see warning above)</i>		

Shipper NZ CHEMICAL LTD 71 TITIRANGI ROAD AUCKLAND NEW ZEALAND	Air Waybill No. 777 2222 2222 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>						
Consignee DU POINT INCORP 400 7TH AVENUE NEW YORK CITY USA							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <div style="text-align: center; border: 1px solid black; padding: 5px;"> AUCKLAND </div>						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">PASSENGER AND CARGO AIRCRAFT</td> <td style="padding: 2px;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY					
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: NEW YORK							
Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">NON-RADIOACTIVE</td> <td style="padding: 2px;">RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
SODIUM ARSENATE	6	UN1685	II		5 kg	613	
SODIUM ALUMINATE	8	UN2812	II		5 kg	282	
SHALE OIL	3	UN1288	II		1.8	305	
					ALL PACKED IN ONE 4G Q = 0.76		
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory ROGER RAMIN, MANAGER Place and Date AUCKLAND JAN 01, 2001 Signature <i>(see warning above)</i>		

QUESTION 2 : 777 2222 2222

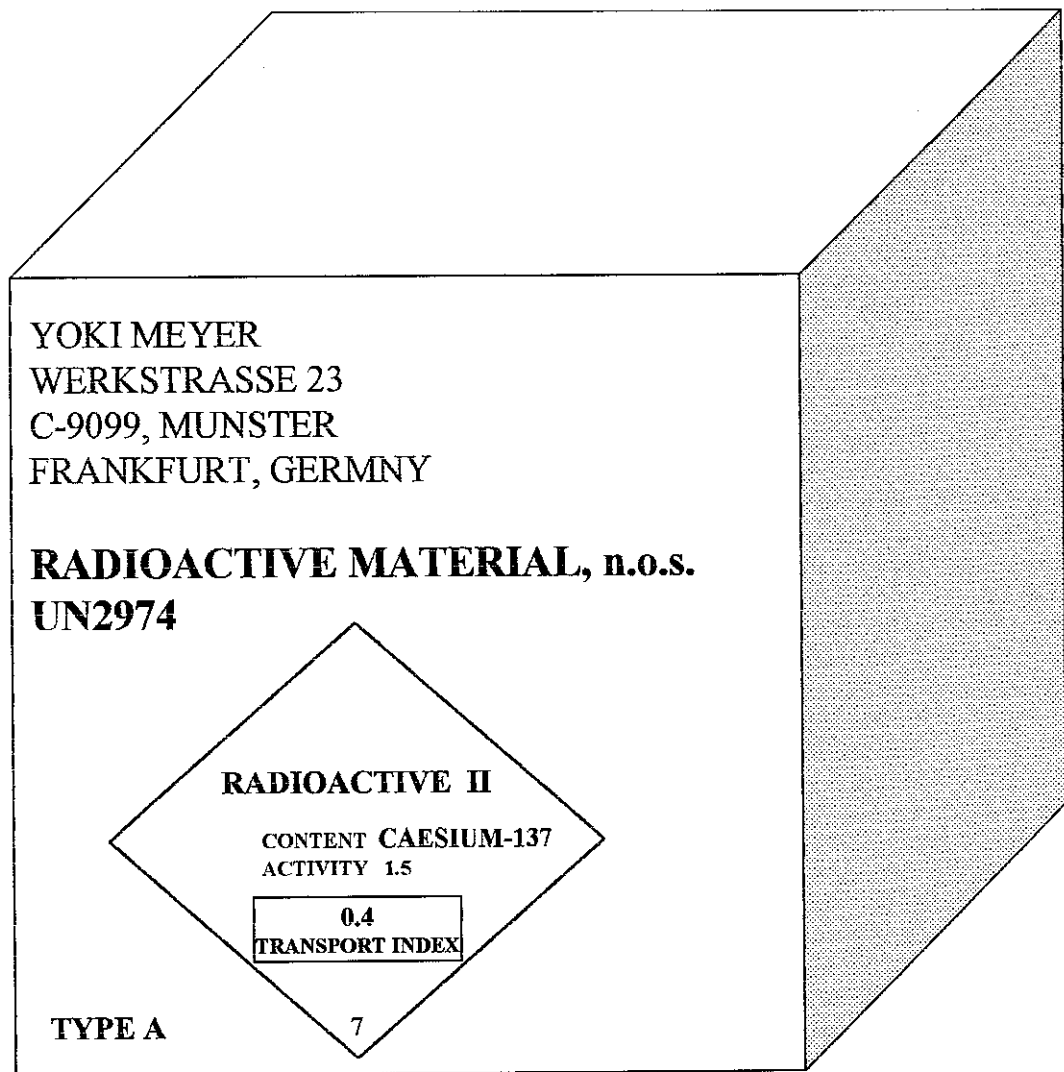
Airport of Destination NEW YORK		Requested Flight Date SQ Jan.2		Amount of Insurance	INSURANCE	
Handling Information Dangerous as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	16	K				



Shipper YOKI MEYER WERKSTRASSE 23 C-9099 MUNSTER FRANKFURT, GERMANY	Air Waybill No. 777 3333 3333 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee RADIAL SYSTEM LTD 25 QUEEN ST MUMBAI INDIA							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: FRANKFURT						
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">PASSENGER AND CARGO AIRCRAFT</td> <td style="border: 1px solid black; padding: 2px;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY					
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: MUMBAI	Shipment type: <i>(delete non-applicable)</i> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">NON-RADIOACTIVE</td> <td style="border: 1px solid black; padding: 2px;">RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
RADIOACTIVE MATERIAL SPECIAL FORM	7	UN2974			CS-137 1 TYPE A PACKAGE x 1.5 TBQ	II Yellow Ti 0.38 Dims: 40x50 60cm	Special Form Approval Cert. No.20 attached
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Place and Date Frank Abe, MANAGER Frankfurt, Jan.01, 2001 Signature <i>(see warning above)</i>		

QUESTION 3 : 777 3333 3333

Airport of Destination MUMBAI		Requested Flight Date LH221		Amount of Insurance	INSURANCE	
Handling Information Radioactive material as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	58	k				



Q4. Decode the following 'symbol and abbreviation': (1 mark each)

Symbol & Abbre.	Decoding
>	
PPR	

Q5. Quote 1 shipper's specific responsibilities Paragraph Number. (1 mark)

Paragraph No.	
---------------	--

Q6. A shipment of ACETONE is contaminated with rain water. Test indicates that the new FP & IBP are 50oC & 40oC respectively. What is the new Proper Shipping Name? (1 mark)

Q7. Fill in the blank box with TYPE A or TYPE B: (1 mark each)

Symbol	Form	Activity	TYPE A or B
Cs-129	A1	5 Tbq	
I-131	A2	0.01 Tbq	

Q8. Fill in the Packing Group:(1 mark each)

Oral Toxicity LD50 (mg/Kg)	Packing Group
8 mg/Kg	
100 mg/Kg	

Q9. Fill in the Packing Group:(1 mark)

Exposure Time	Packing Group
15 minutes	

Q10. Mark out the package which must not be included in this over-pack (1 mark)

UN2904	UN2667
UN1438	UN1152

Q11. Fill the blank: (1 mark each)

T.I	Surface Radiation Level	Category of Label
3	60 uSv/hr	
1.2	0 uSv/hr	

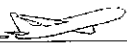
Q12. Fill in the Packing Group: (1 mark)

FPoC	IBP	PG
10	40	

Q13. When is UN2217 'not dangerous'? (1 mark)


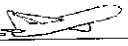
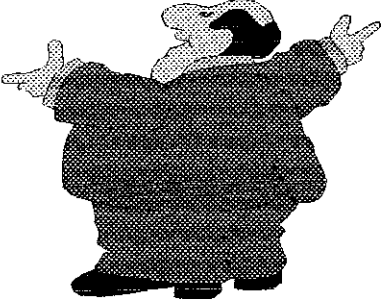

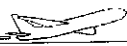
Q14. TRUE or FALSE? Quote a Reference No. to support your answer. (1 mark each . No mark if there is no or incorrect Reference No.)

No.	Information	T/F	Reference
1.	Aerosol of Div.2.1 is permitted in LTD QTY		
2.	Explosive is not allowed as Excepted Quantities		
3.	DG in LTD QTY package is permitted into France		
4.	Japan Airlines accepts all toxic substances.		
5.	UN1845 must be packed in airtight container		
6.	Charcoal Wet is forbidden under any circumstances		
7.	Absorbent material is required for PGIII DG		
8.	DG packages must withstand changes in temperature pressure and vibration		
9.	A shipper may ship RIS through the Post Office		
10.	Type B(M) shipment must be shipped on CAO		
11.	DEAD OIL is a Proper Shipping Name		




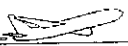
Welcome

To
the wonderful world
of
dangerous goods


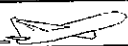
Course Contents

- Non Radioactive Materials
- Radioactive Materials
- Practical
- Open discussion
- Videos
- Exam...


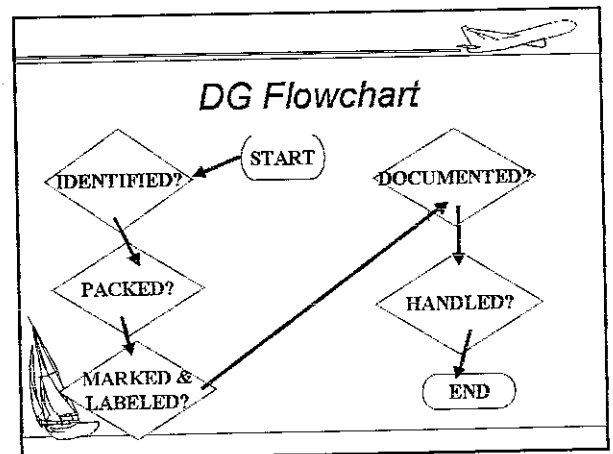
General Philosophy

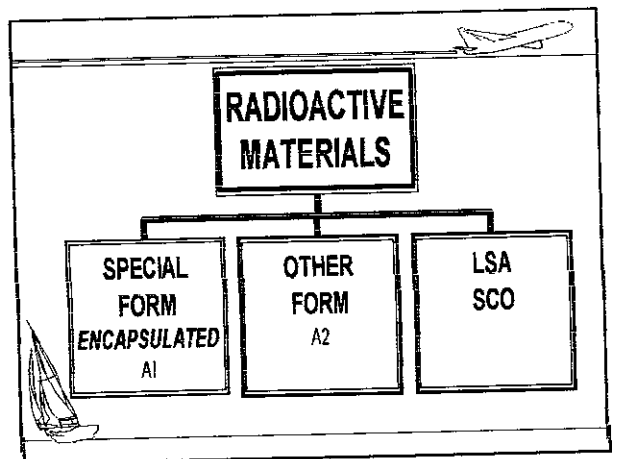
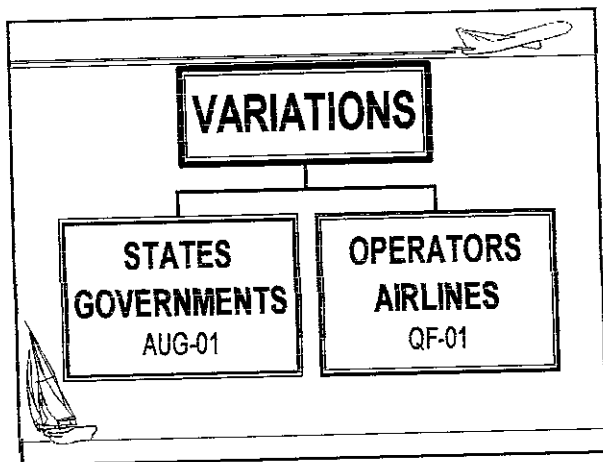
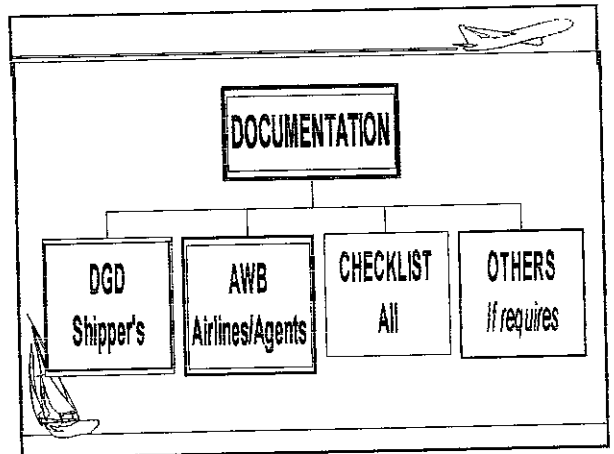
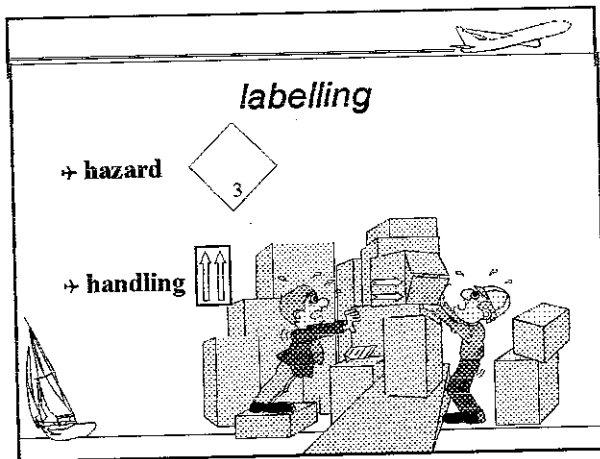
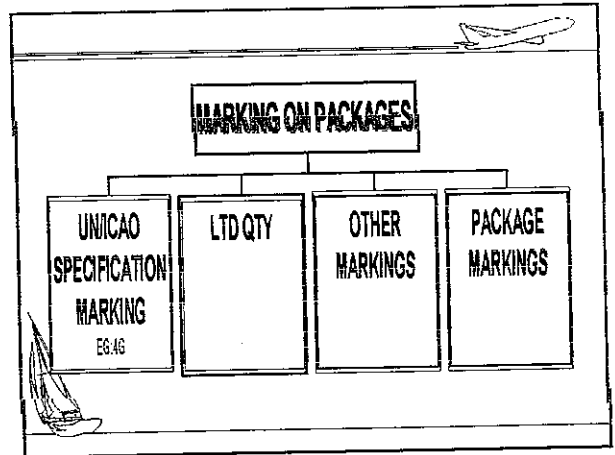
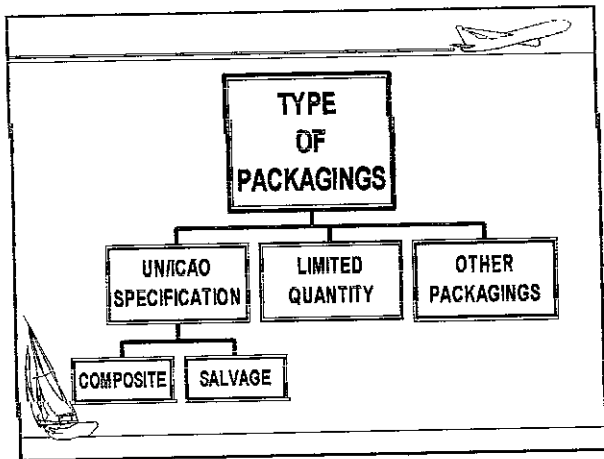
- DGR is based on ICAO TECHNICAL INSTRUCTION ANNEX 18
- ✗ Some DG are forbidden for transport under any circumstances
- ☑ Packaging must be strong & durable
- ☑ Training of staff is essential
- ☑ Proper documentation produced by shipper
- ☑ Accidents & incidents must be reported

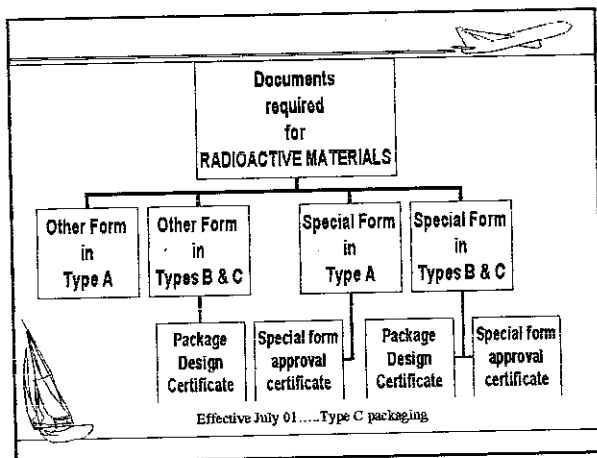
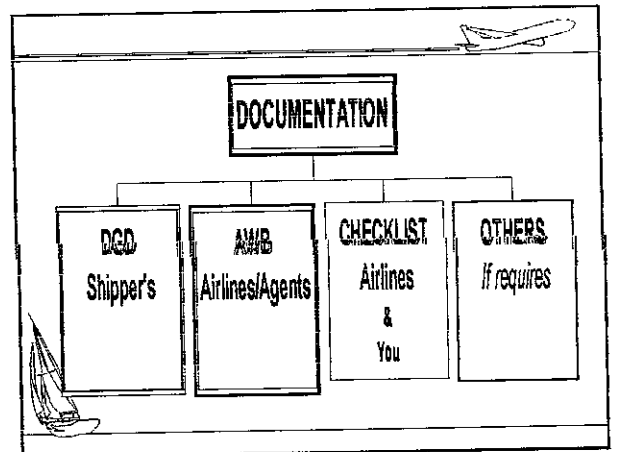
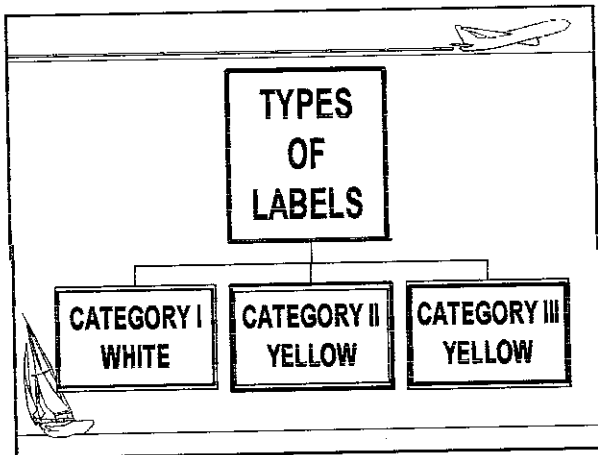
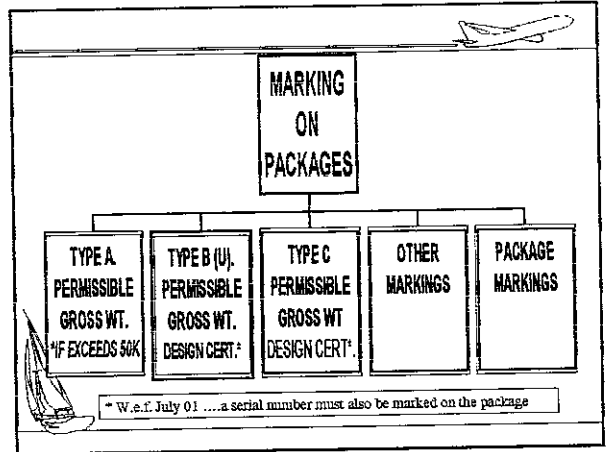
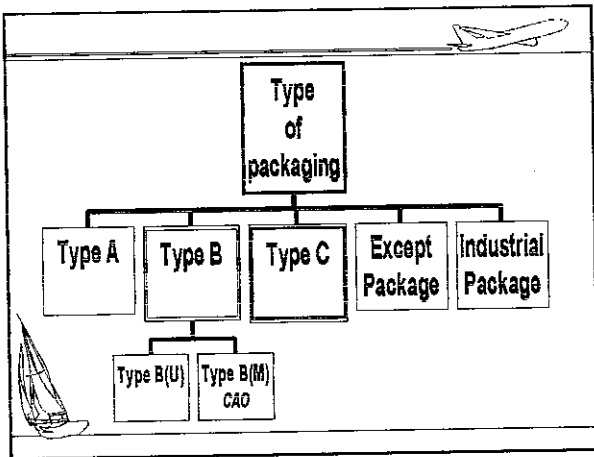



dg accidents

- 1973 PanAm crashed in Boston - Nitric acid
- Union Carbide plant explosion in Bhopal, India killing 2500 people in 1984 - Methyl Isoocyanate
- Chernobyl nuclear disaster - No.4 reactor exploded 8000 people died - 1986
- Valujet crashed in 1996 carrying Oxygen generators





Emergency responses

- ☉ Acquire the Emergency Response Chart
- ☞ Know the contact and telephone number of help and rescue operations
- ☎ Report incidents and accidents involving dg immediately
- ☞ Be on the lookout for potential hazard during acceptance and storage
- ☞ Train your staff on the safe handling of dg

DGR GENERAL EXERCISES-2001

1. Fill in the blank:

Number in DGR	UN or ID No?
0079	
8038	

2. Fill in the "Category" for these RAM:

TI	Surface radiation	Cat:
0	100 usv	
7	3 usv	
2.5	0	
0.9	570 usv	

3. Fill in the "PG" for these RCM:

Exposure Time	Observation Time	PG
2 min	-	
1hr 15mins	10 days	
30 min	5 days	
5 min	1 hr	

4. Fill in TYPE A or TYPE B:

Radionuclide	Form	Activity	Type A/ B
Ba-131	A1	5 Tbq	
Ra-223	A2	1 Tbq	
11-C	A1	0.01Ci	

5. Fill in the "PG" for these toxic items

Toxicity	LD50 mg/kg or LC50 mg/L	PG
Oral	40	
Dermal	2	
Oral	60	
Inhalation	1	

6. Are the following classes/divisions allowed in the same over-pack? Put an 'x' in the appropriate column.

Classes/Division	YES	NO
5.1 & 6.1		
3 & 1.4G		
4.2 & 8		
1.4S & 3		

7. What entry is required in the "Nature and Quantity of Goods" box of the Airway bill when sending an
- emptied Type A cylinder used for radioactive material
- ?

8. UN2811 with an Inhalation toxicity of PG I is to be shipped on a CAO.
What is the maximum net quantity per package?

9. Decode the following symbols & abbreviations:

Code/symbol	Decoding
n.o.s	
RCM	
Y	
<	
LTD QTY	
kg	

10. Fill in the "PG" for these RFL:

FP	IBP	PG
-22	38	
20	40	
70	30	
10	35	
60	50	

11. HEXADIENE is contaminated with rain water. Test indicates that the FP & IBP are now 50 & 60 degrees C respectively. What would be the NEW Proper Shipping Name?

12. A used motorcycle (unpacked) is to be shipped by air. Which hazard label must be affixed?

13. Quote 1 Shipper's Specific Responsibilities Paragraph No.:

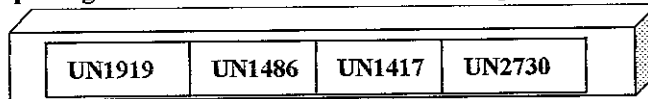
PARA. NO. _____

14. Fill in the NOPIC with these information:

FLT NO: BB009...to-day...PAX A/C
A/C NO; VHBBA
ITIN: SYD-HKG

AWB NO	PCS	UN NO.	NET QTY/PKG	TI/CAT	LOADING POSITION
0001	1	1088	5L		A51
0003	2	1586	10Kg		A52
0005	1	2982		0.5/II	AVE22331BB
0007	1	1910	20Kg		PAP56781BB

15. Which package must not be included in this over-pack?

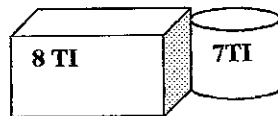


16. What is the minimum separation distance for the followings?

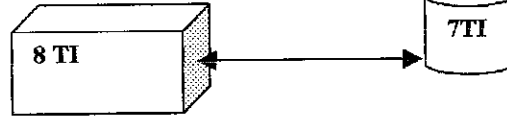
TI	Min. distance (Passenger's aircraft) in m.
4.3	
9.0	

17. Fill in the distance:

Before:



After: What is the horizontal separation distance between these 2 packages on a B747?



18. True or False and quote a reference no.

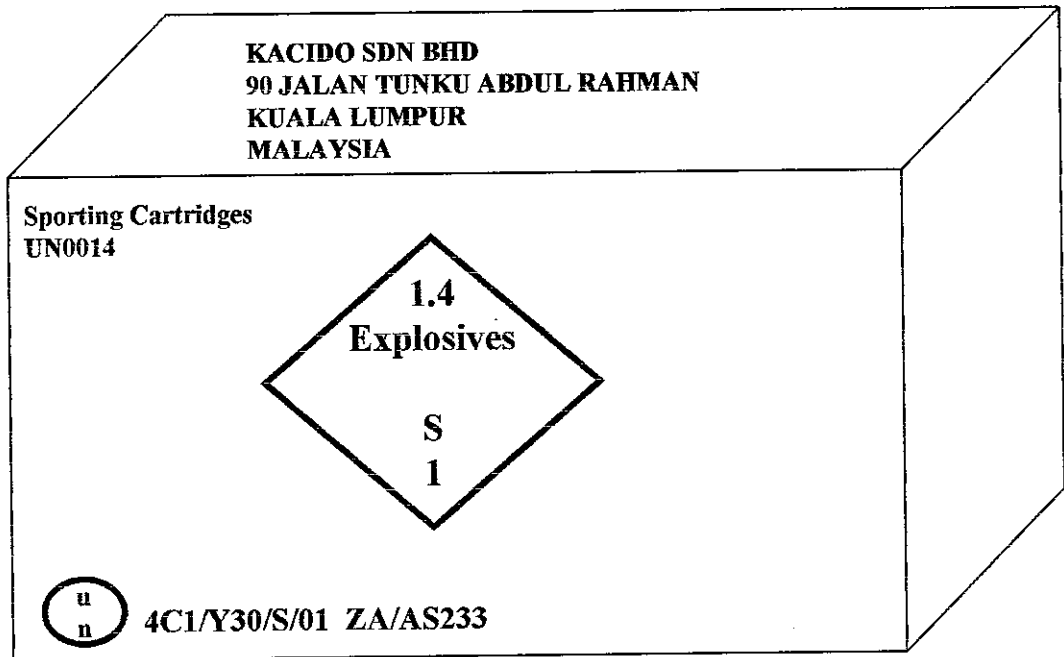
		T/F	Reference
1	A 4ft drop test is conducted on LTD QTY Pkg.		
2	A 6HC is a composite packaging		
3	Salvage Packaging is used to repack damaged DG		
4	MAG is permitted in Excepted Quantities		
5	Aerosol of Div.2.1 is not permitted in Ltd Qty.		
6	No absorbent material is required for UN1088 in passenger aircraft		
7	3-Pentanol is a proper shipping name.		
8	Japan Airlines accept Fissile Radioactive packages.		
9	RCL label is mandatory for UN1977		
10	DG packages must be able to withstand changes in temperature, net quantity and vibrations		
11	Refrigerators may contain liquefied gas		
12	RIS may be posted as Post Office Mail		
13	Packages containing Dry Ice must be airtight		
14	COKE, HOT is forbidden in aircraft under any circumstances		
15	This marking UN 1A2T/Y200/S/01 GB/AS is called SALVAGE PACKAGING		
16	Type B(M) radioactive must be carried in CAO		
17	Sub-risk labels must show Class number from July 01, 2001		
18	Freight container containing Radioactive must be label on two opposite sides.		
19	The current addition of the DGR is base on the ICAO Technical Instructions		
20	Shipper must insert 24hr emergency response telephone contact number in the Handling Information box of the DGD		

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper EUMEX TRADING LTD 100 NATHAN ROAD DURBAN SOUTH AFRICA	Air Waybill No. 777 0000 0001 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee KACIDO SDN BHD 90 JALAN TUNKU ABDUL RAHMAN KUALA LUMPUR MALAYSIA							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="width:50%; text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure: <p align="center">DUR</p>				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: <p align="center">KUL</p>	Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;">RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
BLANK CARTRIDGES FOR WEAPONS (for sporting purposes)	1.4	0014			1 4C1 23 Kg	130	Certificate of approval from Com. Of the South African Police attached.
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Mike Channon, Manager Place and Date Durban, 1 Jan 00 Signature <i>(see warning above)</i>		

777 0000 0001

Airport of Destination KUALA LUMPUR		Requested Flight Date SA122 Jan 03		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	25	K				

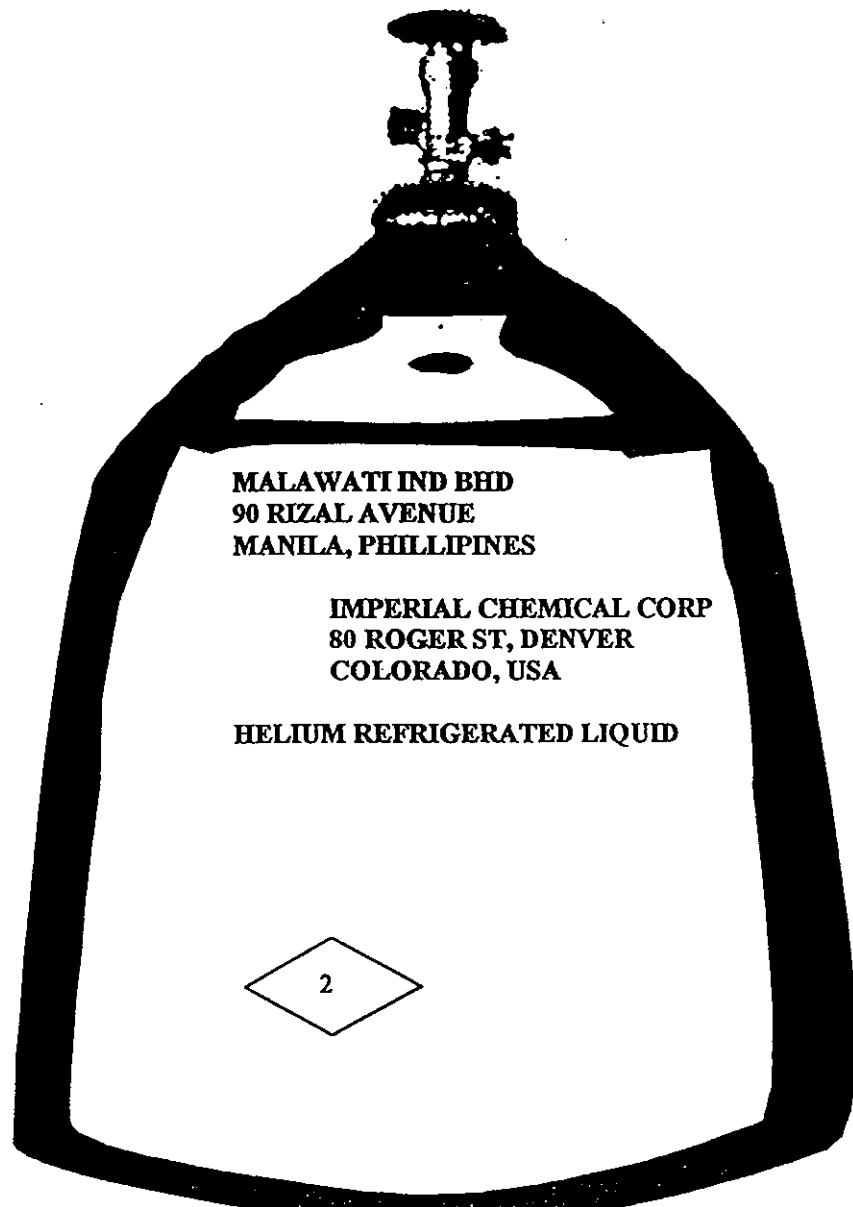


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper Malawati Ind Bhd 90 Rizal Avenue Manila Phillipines	Air Waybill No. 777 0000 0002 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>						
Consignee Imperial Chemical Corp 80 Roger St Denver, Colorado USA							
Two completed and signed copies of this Declaration must be handed to the operator							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <p align="center">Manila</p>	WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
Airport of Destination: Denver	Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;">RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE			
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
Refrigerated liquid, helium	2	UN1963			1 steel cylinder 75 kg	202	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory T. RAMOS, MANAGER Place and Date MANILA, Jan 01, 2001 Signature <i>(see warning above)</i> 		

777 0000 0002

Airport of Destination DENVER		Requested Flight Date TW890 Jan.2		Amount of Insurance	INSURANCE	
Handling Information Dangerous as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (Incl. Dimensions of Volume)
			Commodity Item No.	Charge		

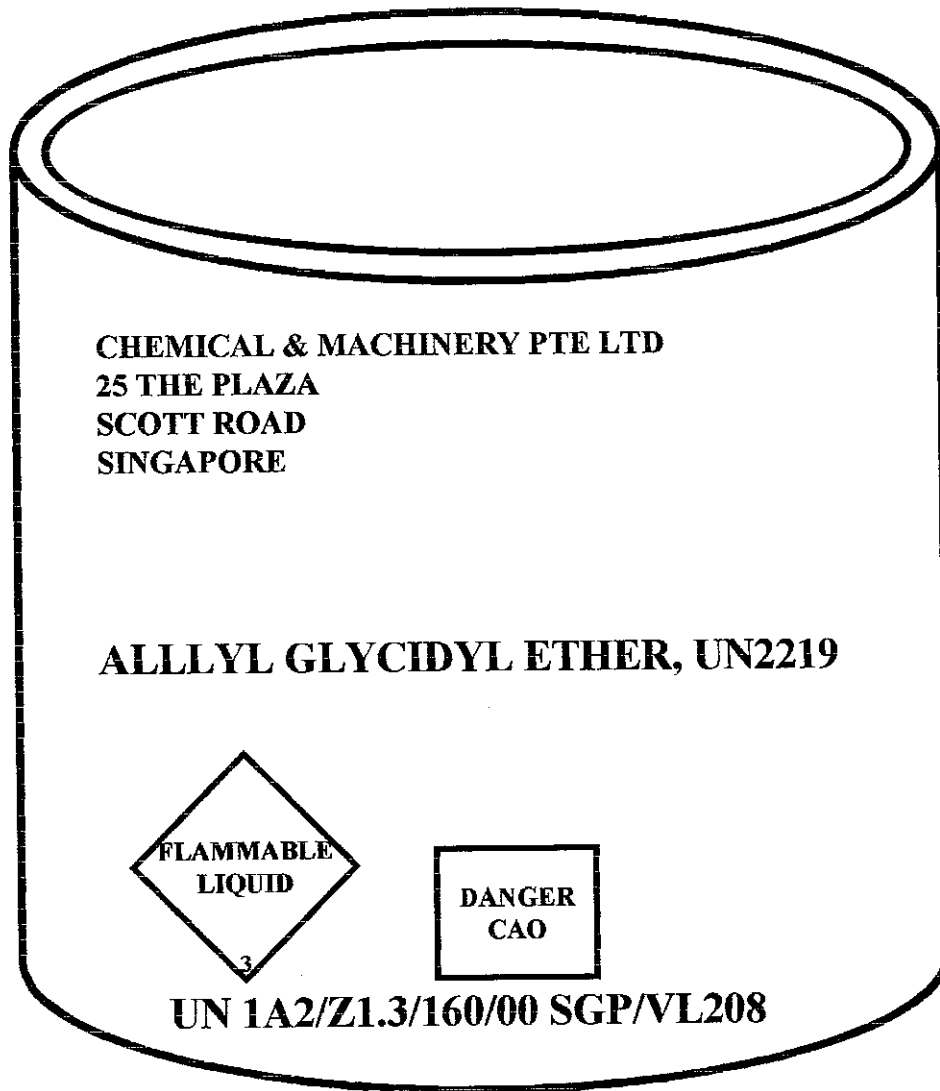


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper CHEMICAL & MACHINERY PTE LTD 25 THE PLAZA SCOTT ROAD SINGAPORE	Air Waybill No. 777 0000 0003 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee NIHON JUSHA CO LTD 3-CHOME, NERIMAKU OSAKA JAPAN							
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure: <p align="center">SIN</p>				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: <p align="center">OSA</p>	Shipment type: <i>(delete non-applicable)</i> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">NON-RADIOACTIVE</td> <td style="text-align: center;">RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
ALLYL GLYCIDYL ETHER	UN 2219	3	III		1 1A2 100L	310	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Place and Date JIMMY LOW, MANAGER SINGAPORE JAN 01, 2001 6 Signature <i>(see warning above)</i> 		

777 0000 0003

Airport of Destination KANSAI AIRPORT		Requested Flight Date SQ88		Amount of Insurance	INSURANCE	
Handling Information Dangerous as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	105	k				

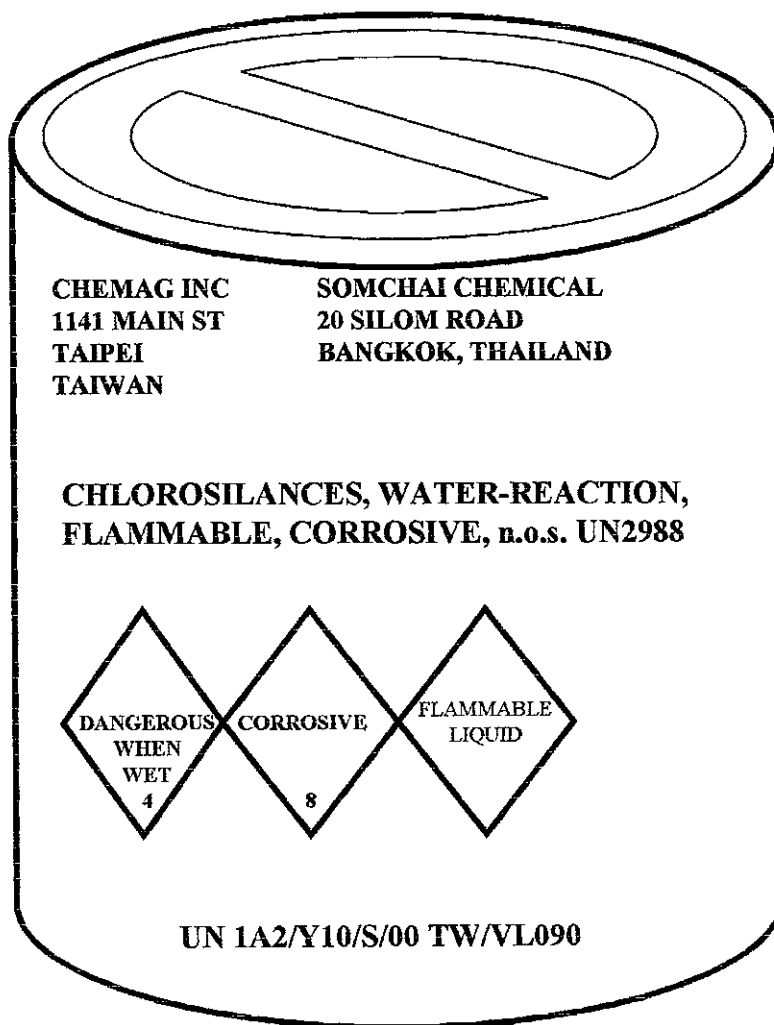


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper CHEMAG INC 1141 MAIN ST TAIPEI TAIWAN	Air Waybill No. 777 0000 0004 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee SOMCHAI CHEMICAL LTD 20 SILOM ROAD BANGKOK THAILAND							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 0 auto;"> TAIPEI </div>	WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
Airport of Destination: BANGKOK	Shipment type: <i>(delete non-applicable)</i> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> NON-RADIOACTIVE RADIOACTIVE </div>						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
CHLOROSILANCES, WATER-REACTIVE, FLAMMABLE, n.o.s	UN 2988	4	1	3 8	1 STEEL 1L	408	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory FREDERICK LEP, MANAGER Place and Date TAIPEI JAN 01, 2001 Signature <i>(see warning above)</i> F.L.		

777 0000 0004

Airport of Destination BANGKOK		Requested Flight Date CI JAN 03		Amount of Insurance	INSURANCE	
Handling Information See attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	3	k				

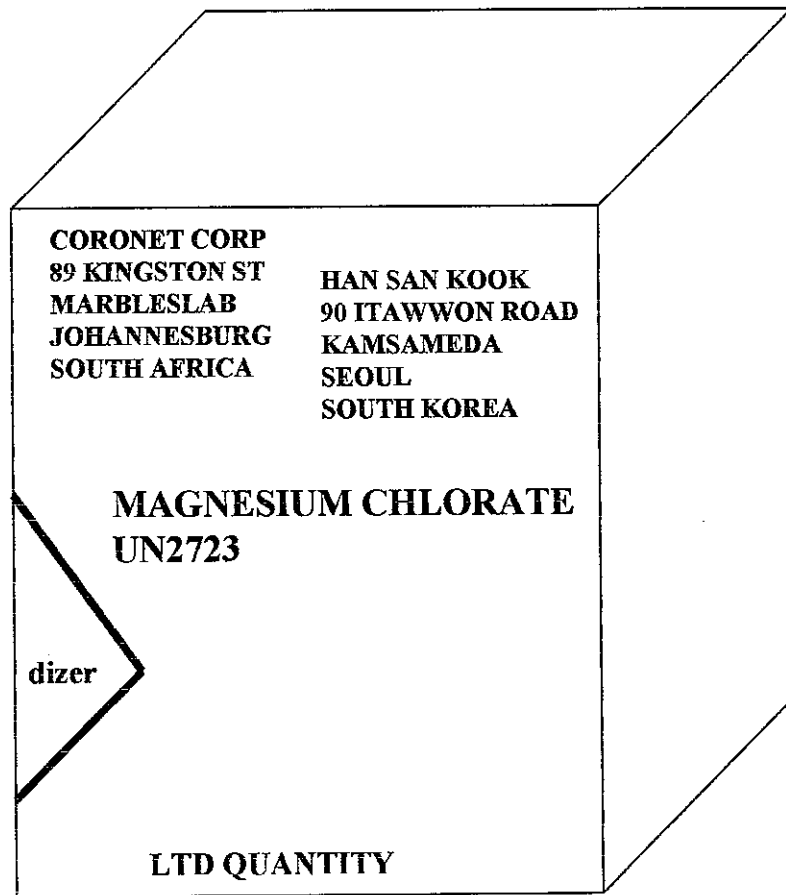


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper CORONET CORP 89 KINGSTON ST MARBLESLAB JOHANNESBURG, SOUTH AFRICA		Air Waybill No. 777 0000 0005 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee HAN SAN KOOK 90 ITAEWON ROAD KAMSAMEDA SEOUL, SOUTH KOREA							
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: JNB						
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY		Airport of Destination: SEL	Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name MAGNESIUM CHLORATE	Class or Division 5	UN or ID No. UN2723 II	Quantity and type of packing 1 FIBREBOARD BOX 1 KG				
			Packing Inst. Y508				
			Authorization LTD QTY TRANSIT				
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations		Name/Title of Signatory WILLIAM TO, MANAGER Place and Date Signature JOHANNESBURG 2/1/01 <i>(see warning above)</i>					

777 0000 0005

Airport of Destination SEOUL		Requested Flight Date KE891 JAN 02		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	3	k				

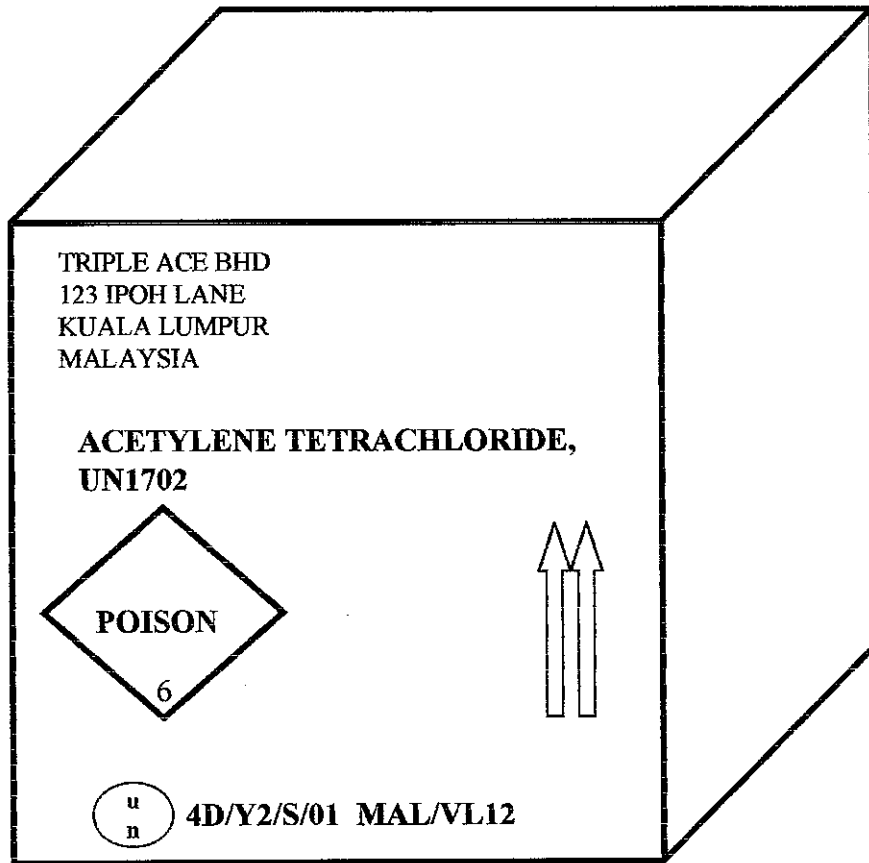


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper TRIPLE ACE BHD 123 IPOH LANE KUALA LUMPUR MALAYSIA	Air Waybill No. 777 0000 0006 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>						
Consignee WING OON IMPORTERS 99 SAI MAN ST HONG KONG							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">PASSENGER AND CARGO AIRCRAFT</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table> </div> <p align="center" style="margin-top: 10px;">KUALA LUMPUR</p>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: <p align="center">SAI MAN ST</p>	Shipment type: <i>(delete non-applicable)</i> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">NON-RADIOACTIVE</td> <td style="border: 1px solid black; padding: 2px; text-align: center;">RADIOACTIVE</td> </tr> </table> </div>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
Acetylene tetrachloride	6.1	UN1702	2		1 PLYWOOD BOX 1 L	610	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory <p align="center">ALI AHMAD, MANAGER</p> Place and Date <p align="center">KUALA LUMPUR, 1/01/01</p> Signature <i>(see warning above)</i>		

777 0000 0006

Airport of Destination HONG KONG		Requested Flight Date CX008 JAN.2		Amount of Insurance	INSURANCE	
Handling Information						
Dangerous goods						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	3	k				

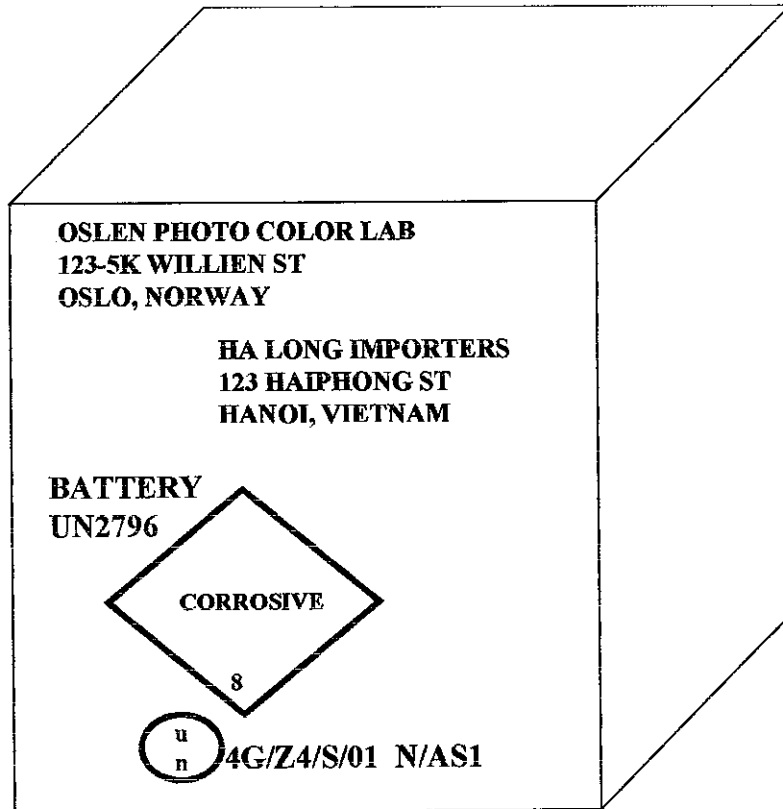


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper OLSEN PHOTO COLOR LAB. 123-5K WILLIEN ST OSLO NORWAY				Air Waybill No. 777 0000 0008 Page of 1 Pages Shipper's Reference Number <i>(optional)</i>			
Consignee HA LONG IMPORTERS 123 HAIPHONG ST HANOI VIETNAM							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>				WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.			
TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>				Airport of Departure: <p align="center">OSLO</p>			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="width:50%; text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY			Airport of Destination: <p align="center">HANOI</p>	
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
				Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;">RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
Battery fluid, acid	8	UN2796	II		14G 1 L	809	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations				Name/Title of Signatory <p align="right">Jesper Mann, Manager</p> Place and Date <p align="right">Oslo, 01/01/01</p> Signature <i>(see warning above)</i> <p align="right"><i>Jesper Mann</i></p>			

777 0000 0008

Airport of Destination HANOI		Requested Flight Date SK80 JAN01		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods as per attached DG.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	3	k				

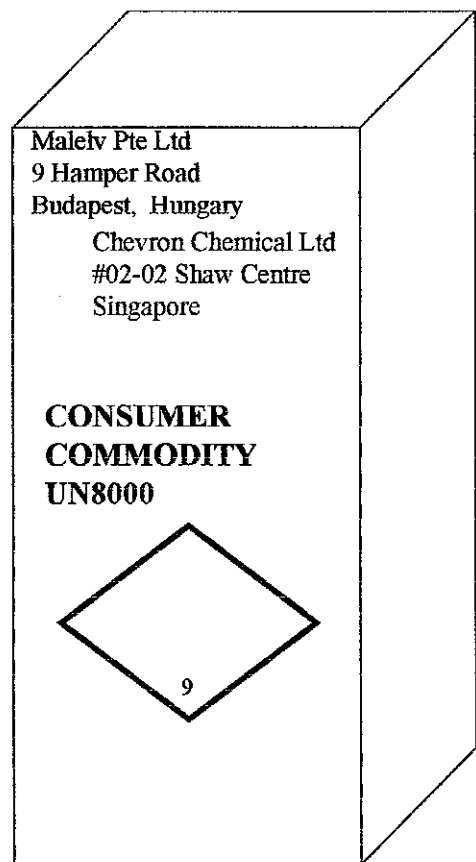
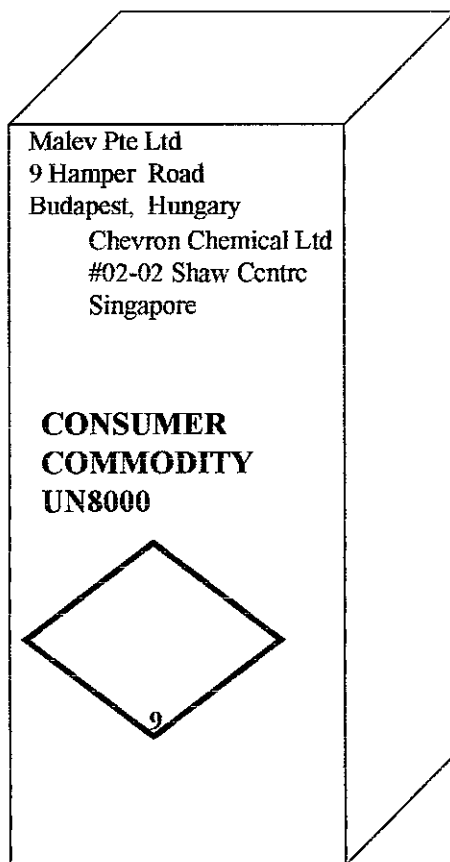


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper MALEV PTE LTD 9 HAMPER ROAD BUDAPEST HUNGARY	Air Waybill No. 777 0000 0009 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee CHEVRON CHEMICAL LTD #02-02 SHAW CENTRE SINGAPORE							
Two completed and signed copies of this Declaration must be handed to the operator							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">PASSENGER AND CARGO AIRCRAFT</td> <td style="border: 1px solid black; padding: 2px;">CARGO AIRCRAFT ONLY</td> </tr> </table> </div> BUDAPEST	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.							
Airport of Destination:	Shipment type: <i>(delete non-applicable)</i> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">NON-RADIOACTIVE</td> <td style="border: 1px solid black; padding: 2px;">RADIOACTIVE</td> </tr> </table> </div>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
Cosmetics n.o.s.	9	UN8000			2 wooden boxes x 25kg	910	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Zsa Gabo, Manageress Place and Date Budapest, 01/01/01 Signature <i>(see warning above)</i>		

777 0000 0009

Airport of Destination Singapore		Requested Flight Date SK8190 JAN.02		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods as per attached DGR.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
2	50	k				

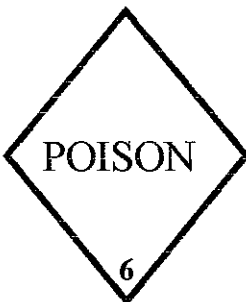
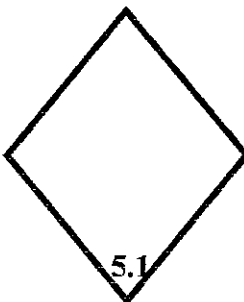
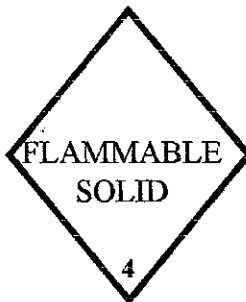



SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper Pragas Kandasmy & Co 678 Vikram Sarabhai Bhavan Mumbai India	Air Waybill No. 777 0000 0010 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee Robert Mauroux Pte Ltd 168 Rue de le Marseilles Auckland New Zealand							
Two completed and signed copies of this Declaration must be handed to the operator							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">PASSENGER AND CARGO AIRCRAFT</td> <td style="border: 1px solid black; padding: 2px;">CARGO AIRCRAFT ONLY</td> </tr> </table> </div> <p align="center" style="margin-top: 10px;">Mumbai</p>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination:	Shipment type: <i>(delete non-applicable)</i> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">NON-RADIOACTIVE</td> <td style="border: 1px solid black; padding: 2px;">RADIOACTIVE</td> </tr> </table> </div>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
Sodium Nitrite	5.1	UN1500	III		12 kg	516	
Triallyl Borate	6.1	UN2609	II		12L	611	
Safety Matches	4	ID1944	3		5L All packed in one wooden box Q = 0.88	440	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Samy Samy, Manager Place and Date Mumbai, 1 JAN 2001 Signature <i>(see warning above)</i>		
					SS		

777 0000 0010

Airport of Destination AUCKLAND		Requested Flight Date NZ890 Jan 02		Amount of Insurance	INSURANCE	
Handling Information DGD attached.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	32	k				

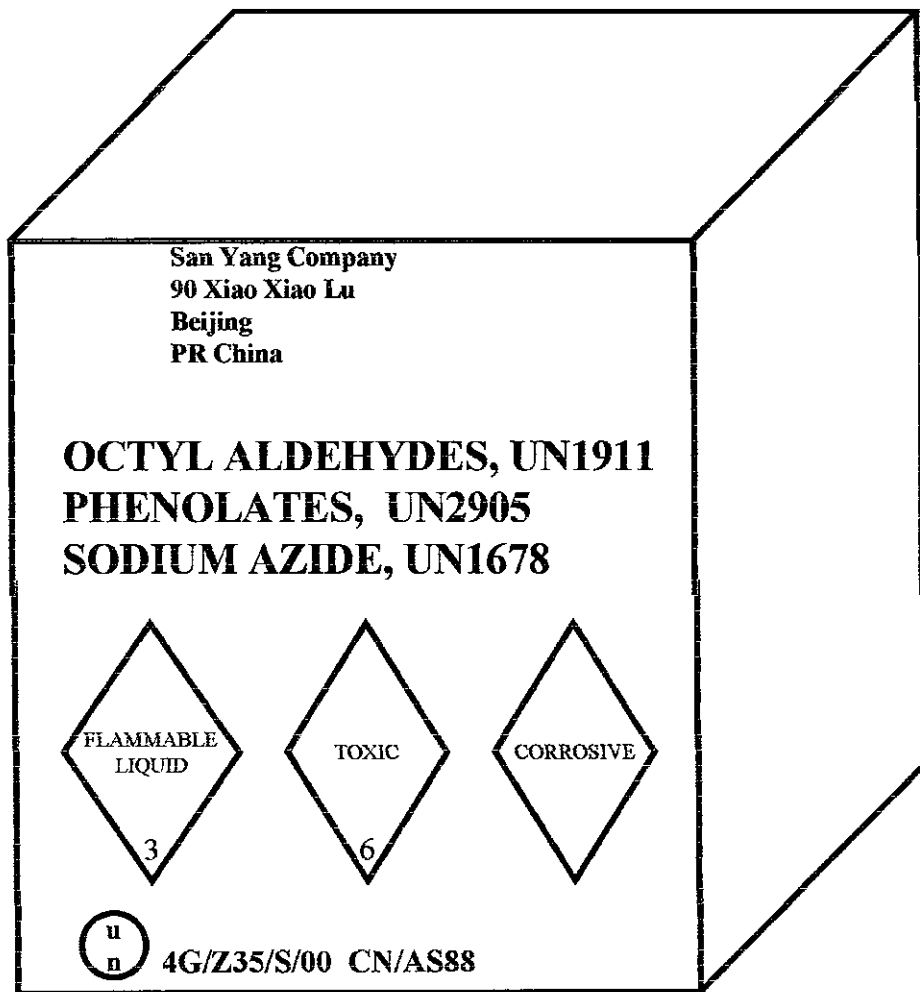
Pragas Kandasamy & Co 678 Vikram Sarabhai Bhavan Mumbai, India	Robert Mauroux Pte Ltd 168 Rue de le Marseilles Auckland New Zealand	
SODIUM NITITE, UN2609 TRIALLYL BORATE, UN1500 MATCHES, UN1944		
		
 4C1/Z35/S/00 IND/VL12		

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper San Yang Company 90 Xiao Xiao Lu Beijing PR China					Air Waybill No. 777 0000 0011 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee Roberto Mancini Co., 53 Via Veneto Rome Italy											
Two completed and signed copies of this Declaration must be handed to the operator					WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.						
TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>											
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure: Beijing			Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>			NON-RADIOACTIVE	RADIOACTIVE
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY										
NON-RADIOACTIVE	RADIOACTIVE										
Airport of Destination: Rome											
NATURE AND QUANTITY OF DANGEROUS GOODS											
Dangerous Goods Identification											
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization				
OCTYL ALDEHYDES	3	UN119	III		6L	309					
PHENOLATES	8	UN2905	111		10	822					
SODIUM AZIDE	6	UN1687	II		10 Kg	613					
					All packed in one 4G Q = 0.9						
Additional Handling Information											
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Alex Wu, Manager Place and Date Beijing 1 Jan 2001 Signature <i>(see warning above)</i> Alex						

777 0000 0011

Airport of Destination ROME		Requested Flight Date CA		Amount of Insurance	INSURANCE	
Handling Information						
Dangerous goods						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	28	k				

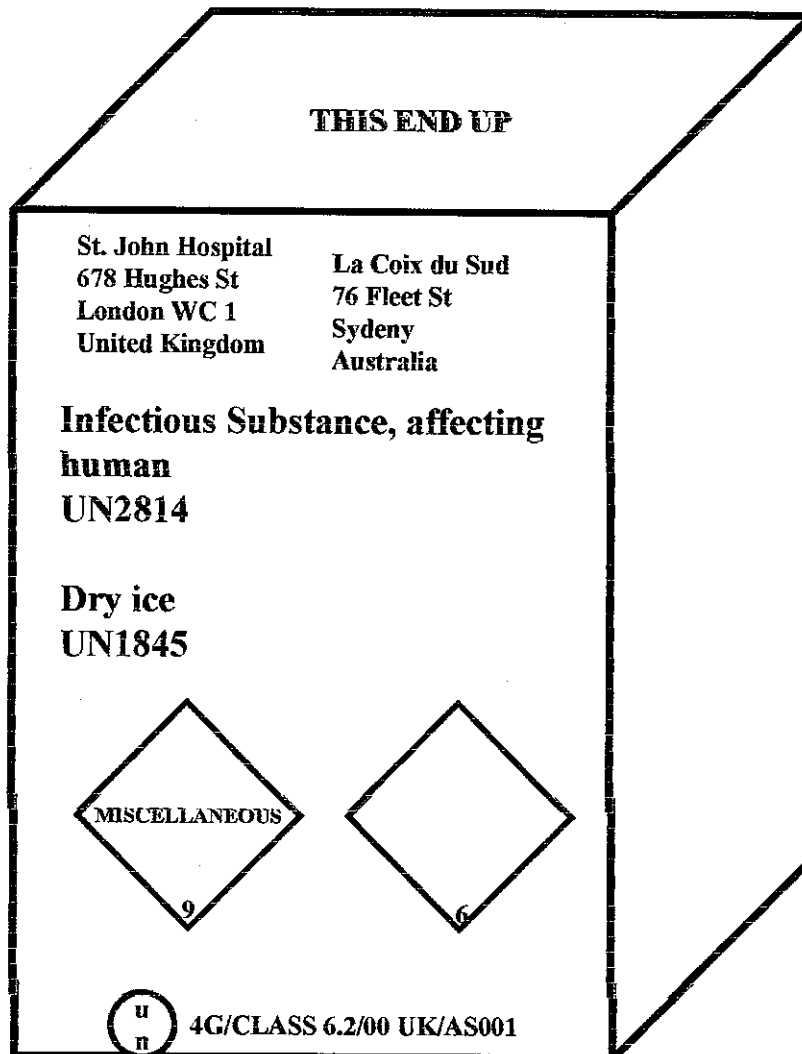


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper St John Hospital 678 Hughes St London WC 1 United Kingdom		Air Waybill No. 777 0000 0012 Page 1 of 1 Pages Shipper's Reference Number (optional) SJH/009/99					
Consignee La Coix du Sud Hospital 76 Fleet St Sydney Australia							
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS This shipment is within the limitations prescribed for: (delete non-applicable) <table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.			
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Departure: LHR		Airport of Destination: SYD Shipment type: (delete non-applicable) <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE		
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
Infectious substance, affecting human (X-Virus)	6	UN2814			50ml	602	Australian Health Authorities Approval Certificate No.AUG67 attached
Dry Ice	9	UN1845	III		3kg	904	
All packed in one 4G							
Additional Handling Information Prior arrangements as required by the IATA Dangerous Goods Regulations 1.3.3.1 have been made.							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Dion Duxton, Manageress Place and Date London, 01/01/01 Signature (see warning above) <i>Dion</i>		

777 0000 0012

Airport of Destination SYDNEY		Requested Flight Date QF890 JAN 01		Amount of Insurance INSURANCE		
Handling Information Infectious substance as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	5	k				

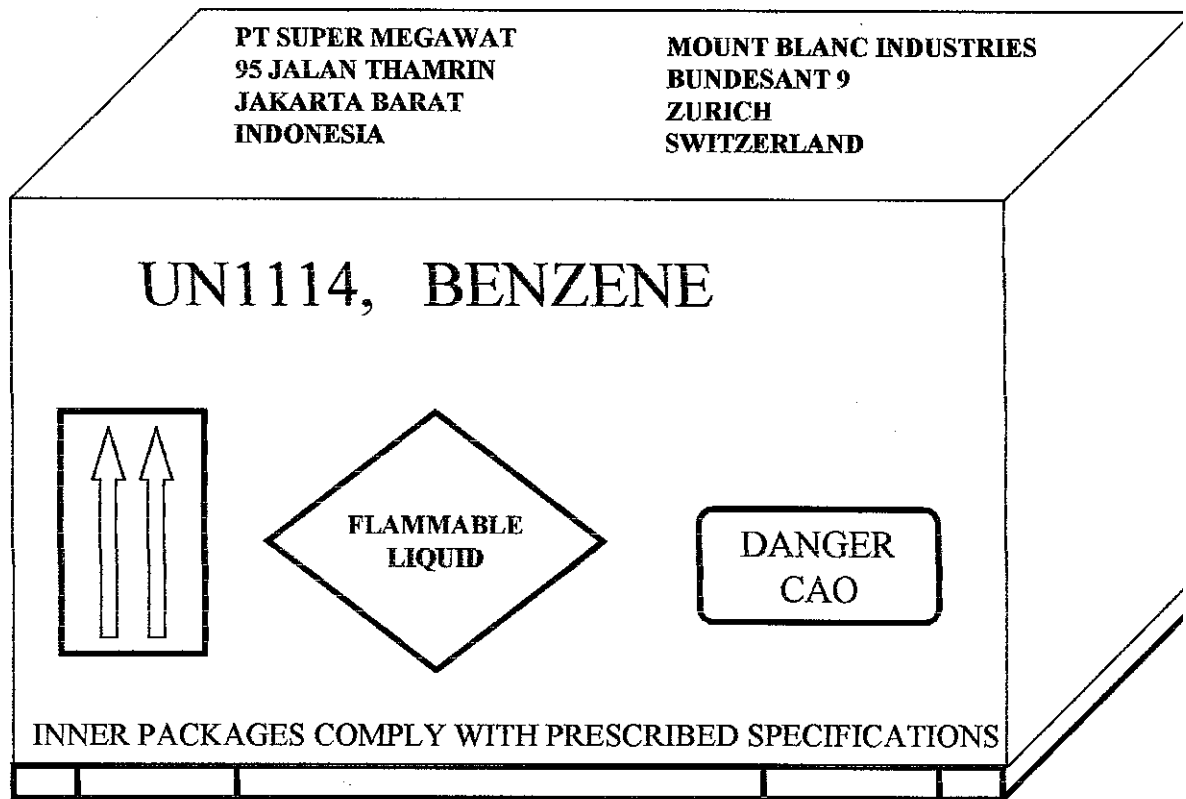


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

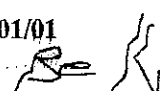
Shipper PT SUPER MEGAWAT 95 JALAN THAMRIN JAKARTA BARAT INDONESIA					Air Waybill No. 777 0000 0013 Page of Pages Shipper's Reference Number <i>(optional)</i>						
Consignee MOUNT BLANC INDUSTRIES BUNDESANT 9 ZURICH SWITZERLAND											
Two completed and signed copies of this Declaration must be handed to the operator					WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.						
TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>											
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure:			Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>			NON-RADIOACTIVE	RADIOACTIVE
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY										
NON-RADIOACTIVE	RADIOACTIVE										
Airport of Destination:											
NATURE AND QUANTITY OF DANGEROUS GOODS											
Dangerous Goods Identification											
Proper Shipping Name		Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization			
BENZENE		3	UN1114	II		10 STEEL DRUM X 60L OVERPACK USED	307				
Additional Handling Information											
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Place and Date Adi Supranto, Manager Signature Jakarta, 01/01/01 <i>(see warning above)</i>						

777 0000 0013

Airport of Destination ZURICH		Requested Flight Date SR890 JAN 01		Amount of Insurance	INSURANCE	
Handling Information As per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	610	K				

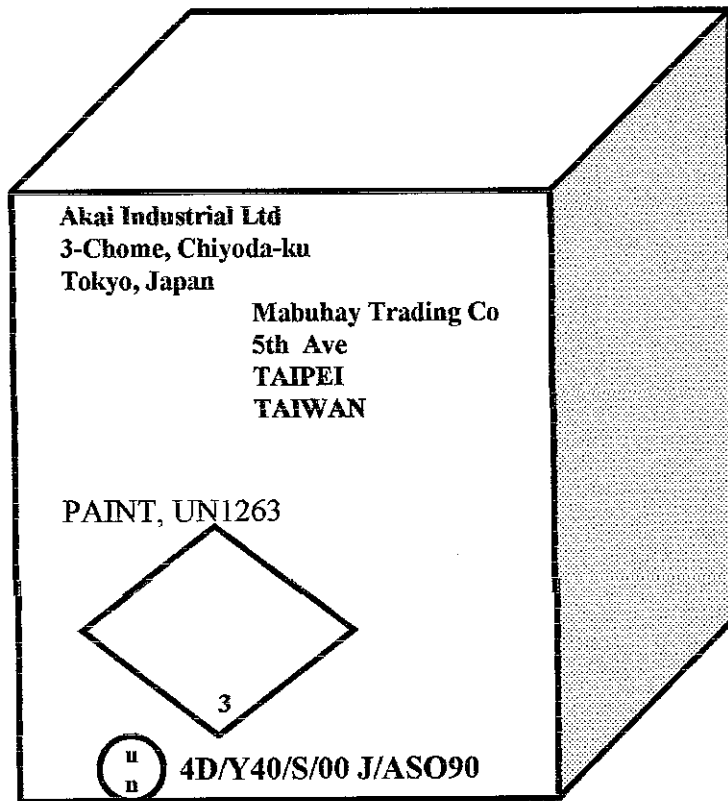


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper AKAI INDUSTRIAL LTD 3-CHOME, CHIYODA-KU TOKYO JAPAN		Air Waybill No. 777 0000 0014 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>		
Consignee MABUHAY TRADING CO. 5th Ave. Taipei Taiwan				
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.		
TRANSPORT DETAILS				
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT		CARGO AIRCRAFT ONLY	Airport of Departure: TOKYO
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY			
Airport of Destination: TAIPEI		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE			
NATURE AND QUANTITY OF DANGEROUS GOODS <i>Proper shipping name, Class or Division, UN number or Identification Number, Packing Group (if required), and all other required information.</i> Paint, 3, UN1263, III 1 4G 30L 309				
Additional Handling Information				
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations		Name/Title of Signatory Place and Date Bernard Kato, Manager Signature Tokyo, 01/01/01 <i>(see warning above)</i> 		

777 0000 0014

Airport of Destination TAIPEI		Requested Flight Date JL88 JAN02		Amount of Insurance	INSURANCE	
Handling Information Dangerous Goods as per DGD attached						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	33	k				

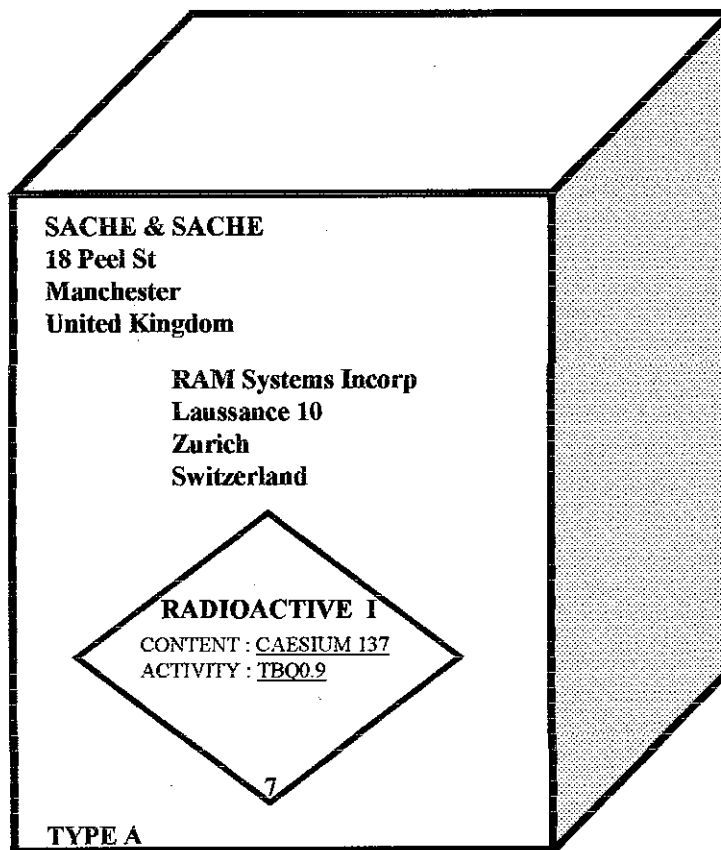


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper Sache & Sache 18 Peel St Manchester United Kingdom				Air Waybill No. 777 0000 0015 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee RAM Systems Incorp Laussance 10 CH1008 Zurich Switzerland									
Two completed and signed copies of this Declaration must be handed to the operator				WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
TRANSPORT DETAILS									
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		Airport of Departure: Manchester							
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY			Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY								
NON-RADIOACTIVE	RADIOACTIVE								
Airport of Destination: Zurich									
NATURE AND QUANTITY OF DANGEROUS GOODS									
Dangerous Goods Identification									
Proper Shipping Name		Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization	
RAM, special form, n.o.s.		7	UN2974			CS-137 1 Type A package x 0.9 TBq	I white	Special Form Approval Cert. No.02 attached	
Additional Handling Information									
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Francios Nikka, Manager Place and Date Manchester, 1 JAN 2001 Signature <i>(see warning above)</i> Nikka				

777 0000 0015

Airport of Destination ZURICH		Requested Flight Date BA899 JAN.02		Amount of Insurance	INSURANCE	
Handling Information RAM as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	3	K				

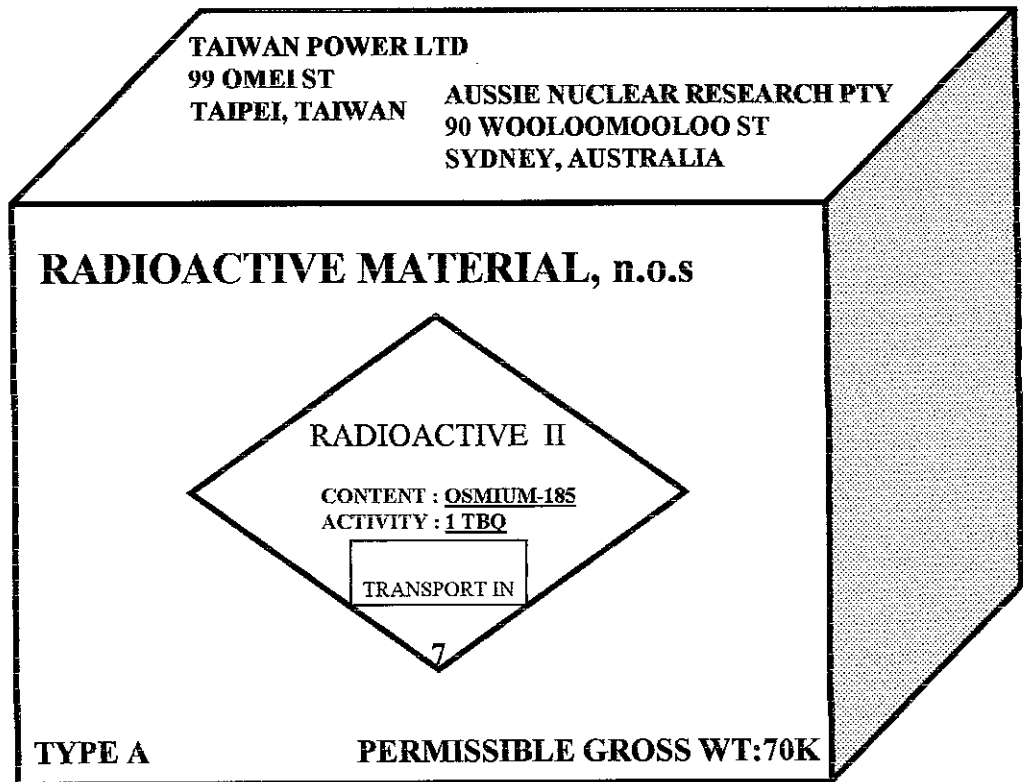


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper TAIWAN POWER LTD 99 OMEI ST TAIPEI TAIWAN		Air Waybill No. 777 0000 0016 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>			
Consignee AUSSIE NUCLEAR RESEARCH PTY 90 WOOLOOMOOLOO ST SYDNEY, N.S.W. AUSTRALIA					
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.			
Airport of Departure: <table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	TAIPEI	
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
Airport of Destination: SYDNEY		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE				
NATURE AND QUANTITY OF DANGEROUS GOODS					
Dangerous Goods Identification					
Proper Shipping Name	Class or Division	UN or ID No.	Quantity and type of packing		
RADIOACTIVE MATERIAL, OTHER FORM , n.o.s.	7	UN2982	OSMIUM-185 1 Type A package x 1 TBQ		
			II YELLOW TI=0.33 DIMS: 40X40 X40CM		
Additional Handling Information					
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations		Name/Title of Signatory BERNARD CHEN Place and Date TAIPEI, 01/01/01 Signature <i>(see warning above)</i>			

777 0000 0016

Airport of Destination SYDNEY		Requested Flight Date CI JAN.2		Amount of Insurance	INSURANCE	
Handling Information Dangerous Goods as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	58.0	k				

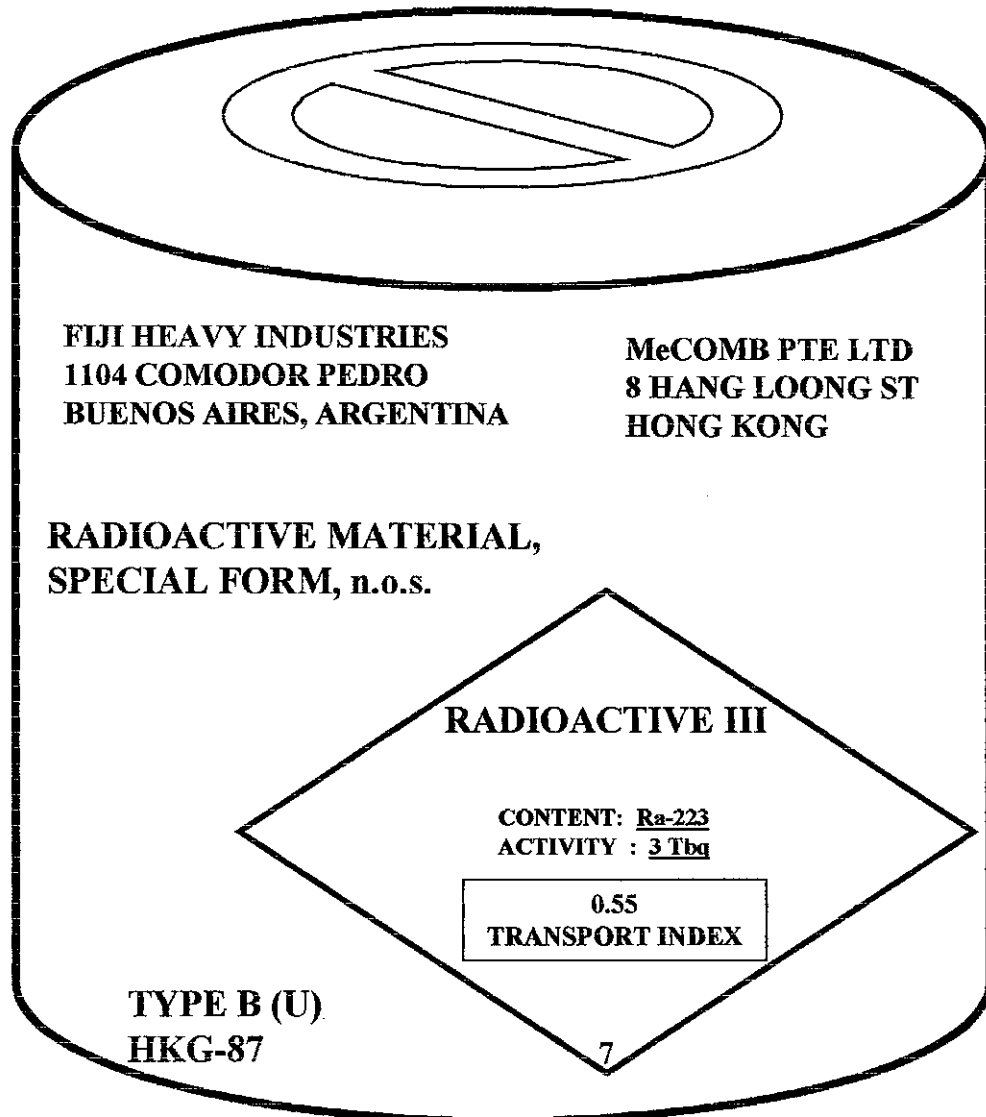


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

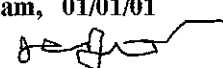
Shipper: McCOMB PTE LTD 8 HANG LOONG ST HONG KONG		Air Waybill No. 777 0000 0017 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>			
Consignee: FIJI HEAVY INDUSTRIES 1104 COMODOR PEDRO BUENOS AIRES ARGENTINA					
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.			
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure: <p style="text-align: center;">HKG</p>	
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
Airport of Destination: <p style="text-align: center;">BUE</p>		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE				
NATURE AND QUANTITY OF DANGEROUS GOODS					
Dangerous Goods Identification					
Proper Shipping Name	Class or Division	UN or ID No.	Quantity and type of packing		
RADIOACTIVE MATERIAL, SPECIAL FORM, n.o.s	7	UN2974	RADIUM-223 1 TYPE B (U) steel package x 3 Tbq		
		Packing Inst.	Authorization		
		III Yellow TI 0.55	Special Form S303 & Package Design Cert. HKG87 attached		
Additional Handling Information					
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations		Name/Title of Signatory Place and Date Happy Kau, Manageress Signature Hong Kong 01/01/01 <i>(see warning above)</i>			

777 0000 0017

Airport of Destination Buenos Aires		Requested Flight Date		Amount of Insurance	INSURANCE	
Handling Information DGD attached.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	60	k				

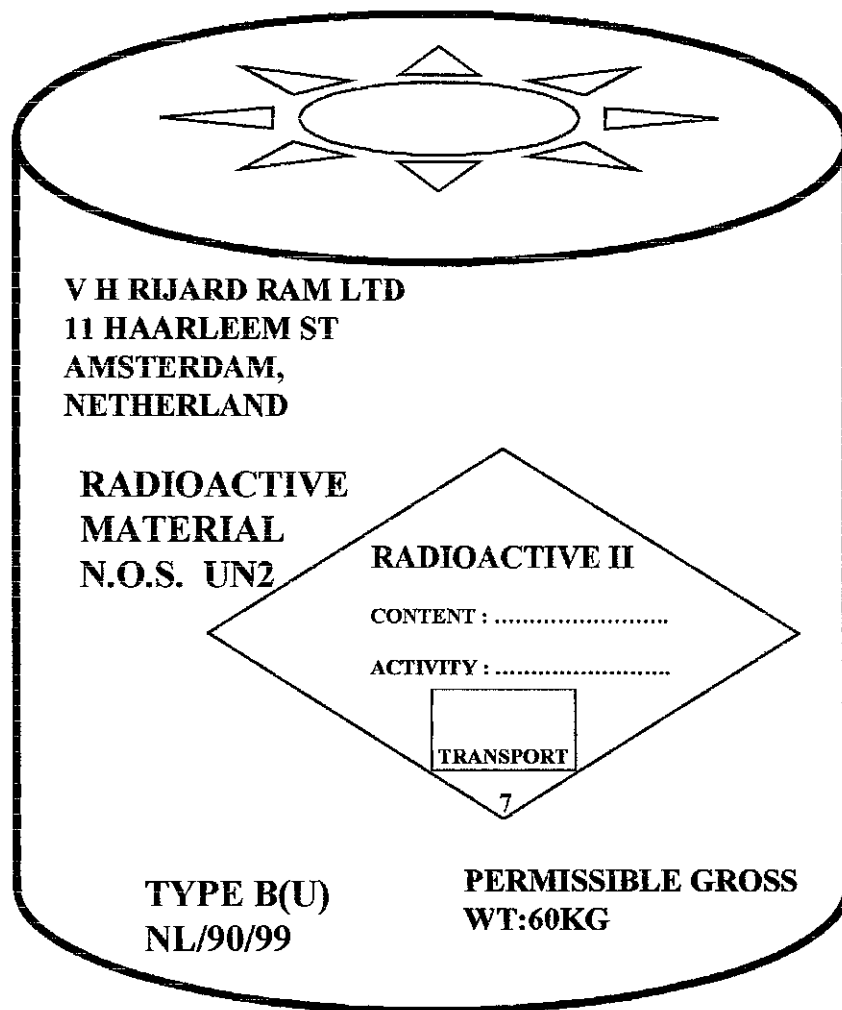


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper V H RIJARD RAM LTD 11 HAARLEEM ST AMSTERDAM NETHERLAND		Air Waybill No. 777 0000 0019 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>			
Consignee McCOMB SYS CORP 8 BUKIT TIMAH ROAD SINGAPORE					
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.			
TRANSPORT DETAILS					
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		Airport of Departure: <p style="text-align: center;">AMS</p>			
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY		
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
Airport of Destination: <p style="text-align: center;">SIN</p>		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE				
NATURE AND QUANTITY OF DANGEROUS GOODS					
Dangerous Goods Identification					
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group Subsidiary Risk Quantity and type of packing Packing Inst. Authorization		
RADIOACTIVE MATERIAL, OTHER FORM, n.o.s.	7	UN2982	I-126 Metal Solid 1 TYPE B(U) STEEL DRUM x 1 Tbq II Yellow TI 0.5 DIM: 40X 40X 60CM TYPE B Package Design Certificate NL/90/99 attached		
Additional Handling Information					
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations		Name/Title of Signatory Place and Date F.de Bors, Manager Amsterdam, 01/01/01 Signature <i>(see warning above)</i> 			

777 0000 0019

Airport of Destination SINGAPORE		Requested Flight Date KL890 JAN.2		Amount of Insurance	INSURANCE	
Handling Information DG as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	57	k				



DANGEROUS GOODS CHECK LIST FOR A NON-RADIOACTIVE SHIPMENT

The recommended check list appearing on the following pages is intended to verify shipments at origin.

Never accept or refuse a shipment before all items have been checked.

Is the following information correct for each entry?

SHIPPERS DECLARATION FOR DANGEROUS GOODS (DGD)

	YES	NO*	N/A		YES	NO*	N/A
1. Two copies in English and in the IATA format [8.1.1, 10.8.1.2, 10.8.1.3, 9.1.1.2]	<input type="checkbox"/>	<input type="checkbox"/>		18. Overpack			
2. Full name and address of Shipper [8.1.6.1]	<input type="checkbox"/>	<input type="checkbox"/>		- Indication "Overpack used" [8.1.6.9.2, Step 7]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Full name and address of Consignee [8.1.6.2]	<input type="checkbox"/>	<input type="checkbox"/>		- Compatible according to Table 9.3.A [5.0.1.5.1 and 5.0.1.5.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Name and Telephone Number of a person responsible for Division 6.2 Infectious Substance shipment [8.1.6.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Multi-overpack marks and quantity per overpack (Fig. 8.1.L and 8.1.M) [8.1.6.9.2, Step 7]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. If the Air Waybill number is not shown, enter it. [8.1.6.3]	<input type="checkbox"/>	<input type="checkbox"/>		Packing Instructions			
6. The number of pages shown [8.1.6.4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19. Packing Instruction Number [8.1.6.9.3, Step 8]	<input type="checkbox"/>	<input type="checkbox"/>	
7. If full name of Airport or City of Departure or Destination is not shown, enter it. [8.1.6.6 and 8.1.6.7]	<input type="checkbox"/>	<input type="checkbox"/>		Authorizations			
8. The non-applicable Aircraft Type deleted [8.1.6.5]	<input type="checkbox"/>	<input type="checkbox"/>		20. Indication of "Limited Quantity" or "Ltd. Qty." if "Y" packing instruction used [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The word "Radioactive" deleted [8.1.6.8]	<input type="checkbox"/>	<input type="checkbox"/>		21. The Special Provision Number if A1, A2, A51, A81 or A109 [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identification				22. Indication that governmental authorization is attached, including a copy in English [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Proper Shipping Name and the technical name in parentheses for asterisked entries [8.1.6.9.1, Step 1]	<input type="checkbox"/>	<input type="checkbox"/>		23. Additional approvals for other items under [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Class or Division, and for Class 1, the Compatibility Group [8.1.6.9.1, Step 2]	<input type="checkbox"/>	<input type="checkbox"/>		Additional Handling Information			
12. UN or ID Number, preceded by prefix [8.1.6.9.1, Step 3]	<input type="checkbox"/>	<input type="checkbox"/>		24. For self-reactive and related substances of Division 4.1 and organic peroxides of Division 5.2, or samples thereof, is the mandatory statement shown [8.1.6.11.1 and 8.1.6.11.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Packing Group [8.1.6.9.1, Step 4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25. Prior arrangement statement for Infectious Substances [8.1.6.11.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidiary Risk [8.1.6.9.1, Step 5] (if additional labeling)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26. Name and Title of Signatory, Place and Date indicated [8.1.6.12 and 8.1.6.13]	<input type="checkbox"/>	<input type="checkbox"/>	
Quantity and Type of Packing				27. Signature of Shipper [8.1.6.14]	<input type="checkbox"/>	<input type="checkbox"/>	
15. Number and Type of Packages [8.1.6.9.2, Step 6]	<input type="checkbox"/>	<input type="checkbox"/>		28. Amendment or alteration signed by Shipper [8.1.2.6]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Quantity and unit of measure (net or gross, as applicable) per package [8.1.6.9.2, Step 6]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR WAYBILL			
17. If different dangerous goods are packed in one outer packaging, are the following rules applied:				29. The Handling Information box shows: "Dangerous goods as per attached Shipper's Declaration" or "Dangerous Goods as per attached DGD" [8.2.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Compatible according to Table 9.3.A. (note exception for chemical kits/first aid kits. See Packing Instruction 915 and Y915)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30. "Cargo Aircraft Only" or "CAO", if applicable [8.2.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- For UN packages containing Division 6.2 [5.0.2.11(c)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
- "All packed in one (type of packaging)" [8.1.6.9.2, Step 6(e)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
- Calculation of "Q" value [5.0.2.11;5.0.3.2; 8.1.6.9.2, Step 6(f)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

	YES	NO*	N/A		YES	NO*	N/A
PACKAGE(S) AND OVERPACKS				43. The Subsidiary Hazard label(s), without Class or Division Number, as per 4.2, Column E [7.2.3.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. Packaging conforms with packing instruction and is undamaged [9.1.1.3]	<input type="checkbox"/>	<input type="checkbox"/>		43A. The Subsidiary Hazard Labels must show the Class or Division number as per 4.2, Column E [7.2.3.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. Same number and type of packagings and overpacks delivered as shown on DGD and is undamaged [9.1.1.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	44. Cargo Aircraft Only label, adjacent to the Hazard label(s) [7.2.4.2; 7.2.6.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Markings				45. "Orientation" labels [7.2.4.4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33. For UN Specification Packaging, are they marked according to 6.0.4 and 6.0.5:				46. For Magnetized Material, the Handling label [Subsection 4.2, Column E and 7.2.4.1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Symbol and Specification Code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	47. "Cryogenic Liquid" labels [7.2.4.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- X, Y or Z, agreed with Packing Group/Packing Instruction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48. All above labels correctly affixed [7.2] and have all irrelevant marks and labels been removed [7.1.1; 7.2.1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Maximum Gross Weight not exceeded (Solids or Inner Packagings)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For Overpacks			
- Infectious substance package marking [6.0.6]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	49. If specification markings are not visible, the required statement marked [7.1.4.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34. The Proper Shipping Name(s) including technical name where required, and the UN or ID Number(s) [7.1.5.1(a)]	<input type="checkbox"/>	<input type="checkbox"/>		50. Packaging Use markings as required must be clearly visible or reproduced on the outside of the overpack [7.1.5]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35. The full name(s) and Address(es) of Shipper and Consignee [7.1.5.1(b)]	<input type="checkbox"/>	<input type="checkbox"/>		51. If more than one overpack, identification marks and the total quantity of each overpack must be indicated adjacent to the proper shipping name [Figure 8.1.L and 8.1.M; 7.1.4.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36. The Net Quantity of Explosives and Gross Weight of the package for Class 1 items [7.1.5.1(c)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	52. "Cargo Aircraft Only" restrictions [5.0.1.5.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. The Name and Telephone Number of a person responsible for Division 6.2 Infectious Substances shipment [7.1.5.1(d)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GENERAL			
38. The Special Marking requirements shown for Packing Instruction 202 [7.1.5.1(e)] 916, 917	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	53. State and Operator variations complied with [2.9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39. In case of Carbon Dioxide, Solid (Dry Ice), the Net Weight marked on the package [7.1.5.1(f)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	54. Advance arrangements for Infectious, Self-Reactive Substances of Division 4.1 and Organic Peroxides of Division 5.2 made and confirmed [9.1.2; 9.1.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40. For Limited Quantity packagings: "LIMITED QUANTITY" or "LTD. QTY." [7.1.5.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55. For "Cargo Aircraft Only" shipments, a cargo aircraft operates on all sectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41. For Salvage Packagings: Is it marked "Salvage"? [7.1.5.4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Labeling							
42. The Primary Risk label(s), with Class or Division Number affixed to each package, as per 4.2, Column E [7.2.3.2]	<input type="checkbox"/>	<input type="checkbox"/>					

Comments:

Checked by: _____

Place: _____

Signature: _____

Date: _____

Time: _____

***IF ANY QUESTION IS ANSWERED WITH A "NO", DO NOT ACCEPT THE SHIPMENT AND GIVE A DUPLICATE COPY OF THIS COMPLETED FORM TO THE SHIPPER.**

DANGEROUS GOODS CHECK LIST FOR A RADIOACTIVE SHIPMENT

The recommended check list appearing on the following pages is intended to verify shipments at origin.

Never accept or refuse a shipment before all items have been checked.

Is the following information correct for each entry?

SHIPPER'S DECLARATION FOR DANGEROUS GOODS (DGD)

	YES	NO*	N/A		YES	NO*	N/A
1. Two copies in English and in the IATA format (8.1.1, 10.8.1.2, 10.8.1.3, 9.1.1.2)	<input type="checkbox"/>	<input type="checkbox"/>		19. Activity within limits for Type A packages (Table 10.4.A) or Type B (see attached competent authority certificate)	<input type="checkbox"/>	<input type="checkbox"/>	
2. Full name and address of Shipper (10.8.3.1)	<input type="checkbox"/>	<input type="checkbox"/>		20. Words "overpack used" shown on the DGD (10.8.3.9.2, Step 8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Full name and address of Consignee (10.8.3.2)	<input type="checkbox"/>	<input type="checkbox"/>		Packing Instructions			
4. If the Air Waybill number is not shown, enter it! (10.8.3.3)	<input type="checkbox"/>			21. Category of package(s) or overpack (10.8.3.9.3, Step 9)	<input type="checkbox"/>	<input type="checkbox"/>	
5. The number of pages shown (10.8.3.4)	<input type="checkbox"/>	<input type="checkbox"/>		22. Transport Index and dimensions for Category II and Category III only (10.8.3.9.3, Step 9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. If full name of Airport or City of Departure or Destination is not shown, enter it! (10.8.3.6 and 10.8.3.7)	<input type="checkbox"/>			23. "Fissile Excepted" (10.8.3.9.3, Step 9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The non-applicable Aircraft Type deleted (10.8.3.5) and the word "Non-Radioactive" deleted (10.8.3.8)	<input type="checkbox"/>	<input type="checkbox"/>		Authorizations			
Identification				24. Identification marks shown and a copy of the document in English attached to DGD for the following (10.8.3.9.4, Step 10; 10.10.3.1):			
8. Proper Shipping Name (10.8.3.9.1, Step 1)	<input type="checkbox"/>	<input type="checkbox"/>		— Special Form approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Class 7 (10.8.3.9.1, Step 2)	<input type="checkbox"/>	<input type="checkbox"/>		— Type B package design approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. UN Number, preceded by prefix (10.8.3.9.1, Step 3)	<input type="checkbox"/>	<input type="checkbox"/>		— Type B(M) package shipment approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Packing Group if required for Subsidiary Risk (10.8.3.9.1, Step 4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	— Fissile material package design approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Subsidiary Risk (10.8.3.9.1, Step 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	— Fissile material package shipment approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quantity and Type of Packing				— Special Arrangement shipment approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. The words "Radioactive Material" if not included in the Proper Shipping Name (10.8.3.9.2, Step 6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25. Additional Handling Information (10.8.3.11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Name or Symbol of Radionuclide(s) (10.8.3.9.2, Step 6)	<input type="checkbox"/>	<input type="checkbox"/>		26. Name and Title of Signatory, Place and Date indicated (10.8.3.12 and 10.8.3.13)	<input type="checkbox"/>	<input type="checkbox"/>	
15. A description of the physical and chemical form, or Special Form, if not included in Proper Shipping Name (10.8.3.9.2, Step 6(c))	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27. Signature of Shipper (10.8.3.14)	<input type="checkbox"/>	<input type="checkbox"/>	
16. The group for LSA and SCO (10.8.3.9.2, Step 6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28. Amendment or alteration signed by Shipper (10.8.1.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. The number and type of packages and the activity in Becquerels in each package, or for Fissile Material the total weight in grams or kilograms of fissile material may be shown in place of activity (10.8.3.9.2, Step 7)	<input type="checkbox"/>	<input type="checkbox"/>		AIR WAYBILL			
18. For different individual radionuclides, the words "All packed in one" (10.8.3.9.2, Step 7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29. The Handling Information box shows: "Dangerous goods as per attached Shipper's Declaration" (10.8.7.1)	<input type="checkbox"/>	<input type="checkbox"/>	
				30. Cargo Aircraft Only, if applicable (10.8.7.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				31. Number of dangerous goods pieces if packages of dangerous and non-dangerous in one shipment (10.8.7.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				PACKAGE(S) AND OVERPACKS			
				32. Number and type of packagings and overpacks delivered as shown on DGD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				33. Unbroken transportation seal (10.6.2.1.1.2, 10.6.2.2.6) and package in proper condition for carriage (9.1.1.3, 9.1.1.4)	<input type="checkbox"/>	<input type="checkbox"/>	

	YES	NO*	N/A		YES	NO*	N/A
Markings				42. All labels correctly affixed and irrelevant marks and labels removed (10.7.4.1)	<input type="checkbox"/>	<input type="checkbox"/>	
34. Package boars Type A (10.7.1.3.3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For Overpacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35. Package boars Type B(U) or Type B(M) and approval mark corresponding to the certificate (10.7.1.3.4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	43. If "Type A", "Type B(U)" or "Type B(M)" not visible, the required statement shown (10.7.1.4.2)			
36. The Proper Shipping Name and UN Number (10.7.1.3.1)	<input type="checkbox"/>	<input type="checkbox"/>		44. Conditions of 10.7.3.4 complied with	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. The Name and Address of the Shipper and Consignee (10.7.1.3.1)	<input type="checkbox"/>	<input type="checkbox"/>		GENERAL			
38. The permissible gross mass if it exceeds 50 kg (10.7.1.3.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45. State and Operator variations complied with as per 2.9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Labelling				46. The Emergency Response Telephone Number as required by USG-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39. Two correctly completed Radioactive labels on opposite sides (10.7.4.3.1; 10.7.3.3)	<input type="checkbox"/>	<input type="checkbox"/>		47. For Cargo Aircraft Only shipments, a cargo aircraft operates on all sectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40. The Subsidiary Risk labels, without Class or Division Number (10.7.3.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48. For packages containing Carbon dioxide solid (dry ice), have the marking, labelling and documentary requirements been applied (Packing Instruction 904 and 7.2.3.9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41. Cargo Aircraft Only label, if required, adjacent to the Hazard labels (10.7.4.2.3; 10.7.4.4.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Comments:

Checked by:

Place:

Signature:

Date:

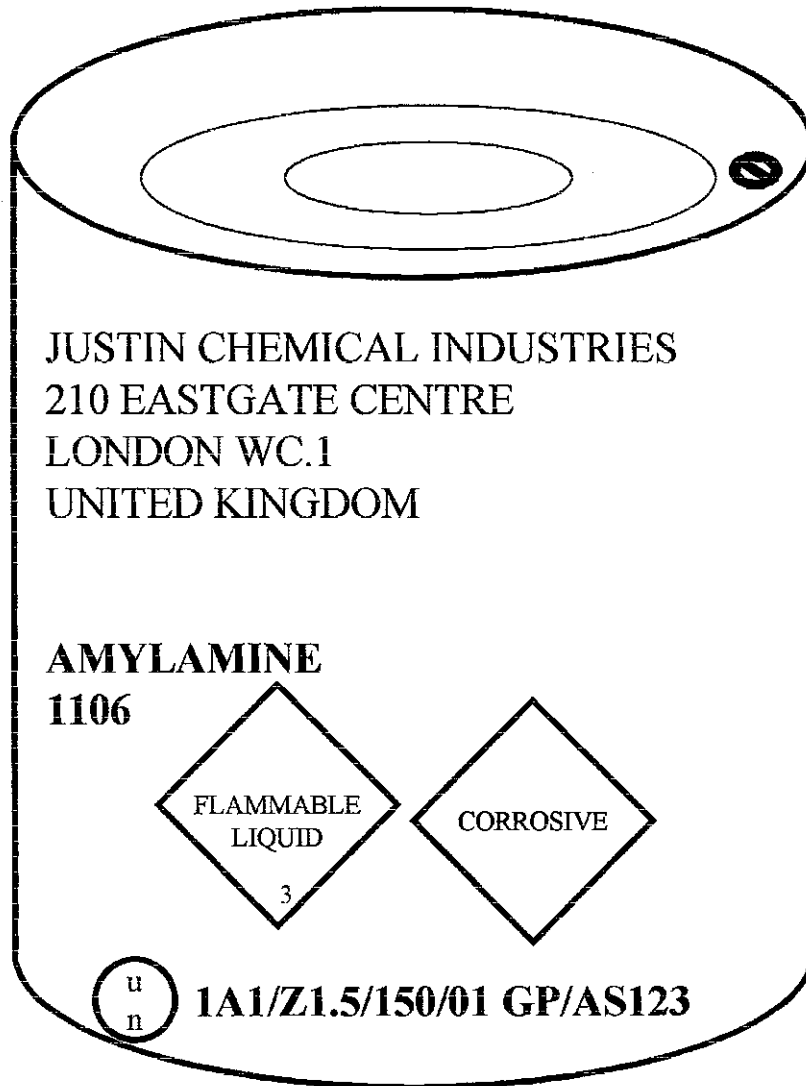
Time:

*** IF ANY QUESTION IS ANSWERED WITH A "NO" DO NOT ACCEPT THE SHIPMENT AND GIVE A DUPLICATE COPY OF THIS COMPLETED FORM TO THE SHIPPER.**

Shipper	JUSTIN CHEMICAL INDUSTRIES 210 EASTGATE CENTRE LONDON WC.1 UNITED KINGDOM	Air Waybill No. 777 111 1111 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee	KINOSHITA HEAVY INDUSTRIES 26 SUZUKI TOWERS CHIYODA KU, TOKYO JAPAN						
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure: <div style="text-align: center; font-size: 1.2em;">LON</div>				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: <div style="text-align: center; font-size: 1.2em;">TYO</div>	Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">NON-RADIOACTIVE</td> <td style="text-align: center;">RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE			
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
AMYLAMINE	3	1106	3	8	1 1D X 60L	310	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Mike Charlton, Manager Place and Date London, 1 JAN 2001 Signature <i>(see warning above)</i>		

QUESTION 1 : 777 1111 1111

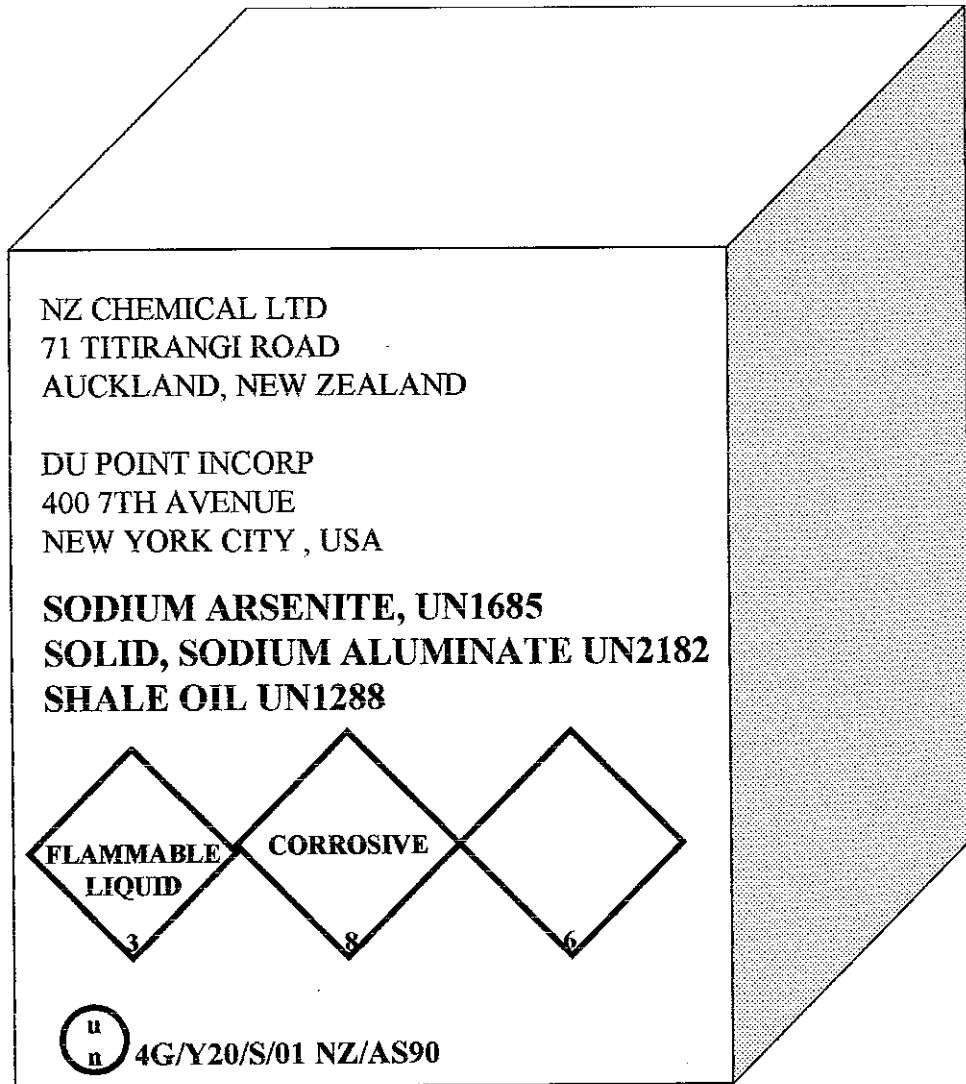
Airport of Destination TOKYO, NARITA		Requested Flight Date CX711 Jan.20		Amount of Insurance	INSURANCE	
Handling Information						
Dangerous goods in CARGO AIRCRAFT ONLY						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	68	K				



Shipper NZ CHEMICAL LTD 71 TITIRANGI ROAD AUCKLAND NEW ZEALAND	Air Waybill No. 777 2222 2222 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>						
Consignee DU POINT INCORP 400 7TH AVENUE NEW YORK CITY USA							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <div style="text-align: center; border: 1px solid black; padding: 5px;"> AUCKLAND </div>	WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
Airport of Destination: NEW YORK	Shipment type: <i>(delete non-applicable)</i> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> NON-RADIOACTIVE RADIOACTIVE </div>						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack-ing Group	Subsi-dary Risk	Quantity and type of packing	Packing Inst.	Authorization
SODIUM ARSENATE	6	UN1685	II		5 kg	613	
SODIUM ALUMINATE	8	UN2812	II		5 kg	282	
SHALE OIL	3	UN1288	II		1.8	305	
					ALL PACKED IN ONE 4G		
					Q = 0.76		
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory ROGER RAMIN, MANAGER Place and Date AUCKLAND JAN 01, 2001 Signature <i>(see warning above)</i>		

QUESTION 2 : 777 2222 2222

Airport of Destination NEW YORK		Requested Flight Date SQ Jan.2		Amount of Insurance	INSURANCE	
Handling Information Dangerous as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	16	K				



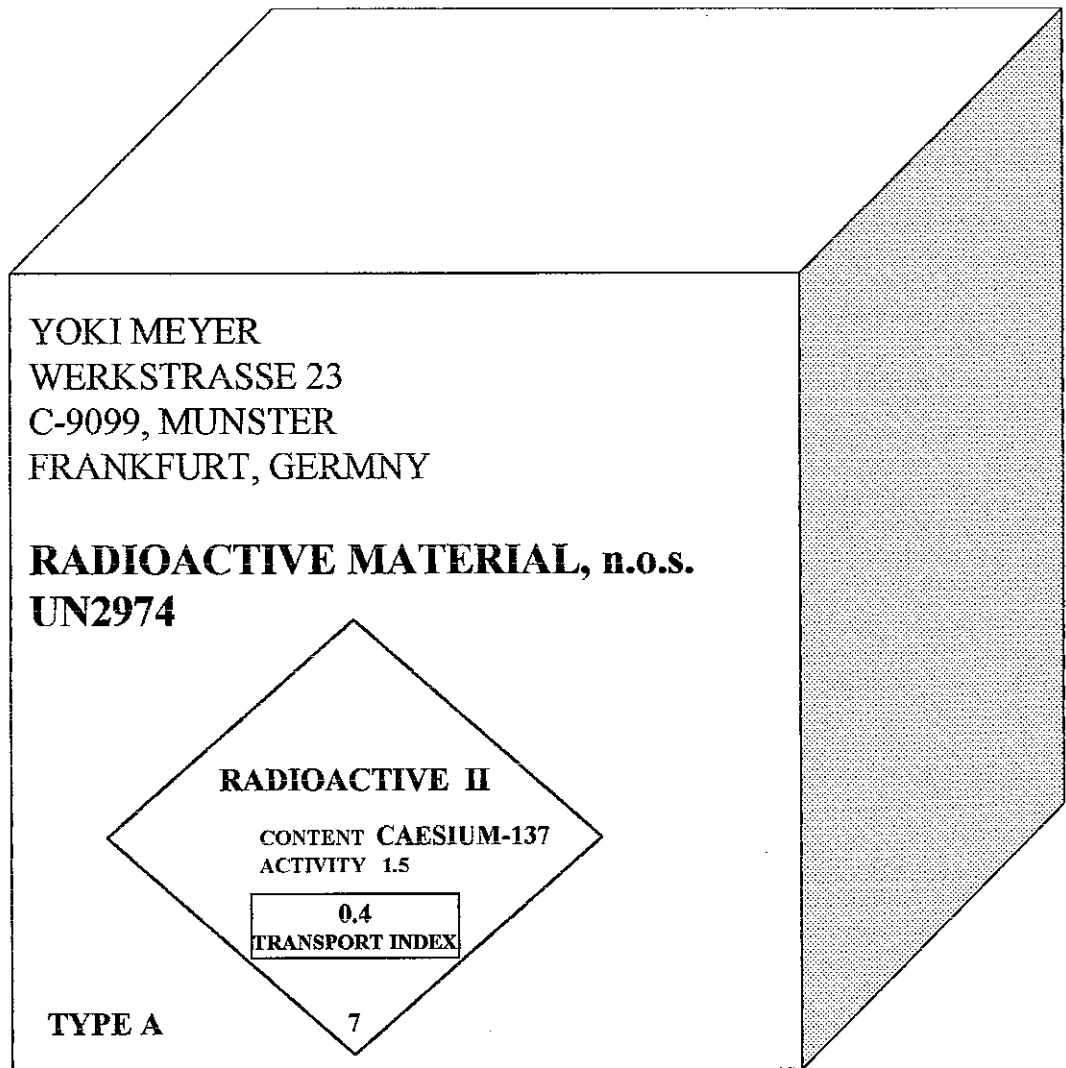
SHIPPER'S DECLARATION FOR DANGEROUS GOODS

QUESTION 3 : MAX. 25 MARKS

Shipper YOKI MEYER WERKSTRASSE 23 C-9099 MUNSTER FRANKFURT, GERMANY	Air Waybill No. 777 3333 3333 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee RADIAL SYSTEM LTD 25 QUEEN ST MUMBAI INDIA							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: FRANKFURT						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="width:50%; text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: MUMBAI	Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;">RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
RADIOACTIVE MATERIAL SPECIAL FORM	7	UN2974			CS-137 1 TYPE A PACKAGE x 1.5 TBQ	II Special Yellow Form Ti 0.38 Dims: 40x50 60cm	Special Approval Cert. No.20 attached
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Frank Abe, MANAGER Place and Date Frankfurt, Jan.01, 2001 Signature <i>(see warning above)</i> 		

QUESTION 3 : 777 3333 3333

Airport of Destination MUMBAI		Requested Flight Date LH221		Amount of Insurance	INSURANCE	
Handling Information Radioactive material as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	58	k				



Q4. Decode the following 'symbol and abbreviation': (1 mark each)

Symbol & Abbre.	Decoding
1.	
PPR	

Q5. Quote 1 shipper's specific responsibilities Paragraph Number. (1 mark)

Paragraph No.	
---------------	--

Q6. A shipment of ACETONE is contaminated with rain water. Test indicates that the new FP & IBP are 50oC & 40oC respectively. What is the new Proper Shipping Name & UN No.? (1 mark)

Q7. Fill in the blank box with TYPE A or TYPE B: (1 mark each)

Symbol	Form	Activity	TYPE A or B
Cs-129	A1	5 Tbq	
I-131	A2	0.01 Tbq	

Q8. Fill in the Packing Group:(1 mark each)

Oral Toxicity LD50 (mg/Kg)	Packing Group
8 mg/Kg	
100 mg/Kg	

Q9. Fill in the Packing Group:(1 mark)

Exposure Time	Packing Group
15 minutes	

Q10. Mark out the package which must not be included in this over-pack (1 mark)

UN2904	UN2667
UN1438	UN1152

Q11. Fill the blank: (1 mark each)

T.I	Surface Radiation Level	Category of Label
3	60 uSv/hr	
1.2	0 uSv/hr	

Q12. Fill in the Packing Group: (1 mark)

FPoC	IBP	PG
10	40	

Q13. When is UN2217 'not dangerous'? (1 mark)

Q14. TRUE or FALSE? Quote a Reference No. to support your answer. (1 mark each . No mark if there is no or incorrect Reference No.)


No.	Information	T/F	Reference
1.	Aerosol of Div.2.1 is permitted in LTD QTY		
2.	Explosive is not permitted as Excepted Quantities		
3.	DG in LTD QTY package is permitted into France		
4.	Japan Airlines accepts all toxic substances.		
5.	UN1845 must be packed in airtight container		
6.	Charcoal Wet is forbidden under any circumstances		
7.	Absorbent material is required when packing UN2874		
8.	DG packages must withstand changes in temperature pressure and vibration		
9.	A shipper may ship RIS through the Post Office		
10.	Type B(M) shipment must be shipped on CAO		
11.	DEAD OIL is a Proper Shipping Name		

DG REFRESHER - 2001

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Presentation


by Anselmn Consultant



DG REFRESHER - 2001

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Welcome
to the wonderful world of
dangerous goods



Objectives..

- be informed of the changes w.e.f Jan 01 & July 01
- accept or reject dg using a checklist;
- know your responsibilities when handling dg;
- act in accordance with local CAAS requirement when dg are damaged.

Evidence of wrong doing...

.....

Shipper and agents charged
in court..

Major Changes:

.....

- “inhibited” changed to “stabilized” e.g. UN1167;
- New Packaging IN1 & IN2 introduced;
- Additional documents required to be attached to DGD highlighted;
- Acceptance staff must ask questions if packages are suspected to contain d.g.

Major Changes effective July 01

.....

- * ID8001 is changed to Class 9;
- * Packing Instructions may have additional packaging recommendation..e.g.PI434....or may have limit in quantities permitted..
- * Subsidiary Risk Label do not require the class/division numbers erased;
- * Table 9.3.A made simple;

*Major changes effective 2001
w.e.f. July 01*

- * Class 7 introduces the Criticality Safety Index for shipment of fissile materials and which must be indicated onto the DGD. This shipment must also bear the CSI label
- * Type C Packaging introduced. This is more stringent than Type B's.

So what are we going to do...

- ☞ Share with us your experiences;
- ☞ Practice on the checklists;
- ☞ Practice on the General Exercise
- ☞ Ask questions if any doubt;
- ☞ Be aware of the local CAA's rules;
- ☞ Attend exhibition, seminar, e.t.c. when the opportunity arises.

Benefits

- ☺ Safety to you & your colleagues;
- ☺ No adverse newspapers publicity;
- ☺ Smooth working relationship with airlines, shippers, logistic specialists and government authorities;
- ☺ Credible, professional ... translate into prosperity & recognition.

Good day!

DGR GENERAL EXERCISES-2001

1. Fill in the blank:

Number in DGR	UN or ID No?
0079	
8038	

2. Fill in the "Category" for these RAM:

TI	Surface radiation	Cat:
0	100 usv	
7	3 usv	
2.5	0	
0.9	570 usv	

3. Fill in the "PG" for these RCM:

Exposure Time	Observation Time	PG
2 min	-	
1hr 15mins	10 days	
30 min	5 days	
5 min	1 hr	

4. Fill in TYPE A or TYPE B:

Radionuclide	Form	Activity	Type A/ B
Ba-131	A1	5 Tbq	
Ra-223	A2	1 Tbq	
11-C	A1	0.01Ci	

5. Fill in the "PG" for these toxic items

Toxicity	LD50 mg/kg or LC50 mg/L	PG
Oral	40	
Dermal	2	
Oral	60	
Inhalation	1	

6. Are the following classes/divisions allowed in the same over-pack? Put an 'x' in the appropriate column.

Classes/Division	YES	NO
5.1 & 6.1		
3 & 1.4G		
4.2 & 8		
1.4S & 3		

7. What entry is required in the "Nature and Quantity of Goods" box of the Airway bill when sending an
- emptied Type A cylinder used for radioactive material?*

8. UN2811 with an Inhalation toxicity of PG I is to be shipped on a CAO.
What is the maximum net quantity per package?

9. Decode the following symbols & abbreviations:

Code/symbol	Decoding
n.o.s	
RCM	
Y	
<	
LTD QTY	
kg	

10. Fill in the "PG" for these RFL:

FP	IBP	PG
-22	38	
20	40	
70	30	
10	35	
60	50	

11. HEXADIENE is contaminated with rain water. Test indicates that the FP & IBP are now 50 & 60 degrees C respectively. What would be the NEW Proper Shipping Name?

12. A used motorcycle (unpacked) is to be shipped by air. Which hazard label must be affixed?

13. Quote 1 Shipper's Specific Responsibilities Paragraph No.:

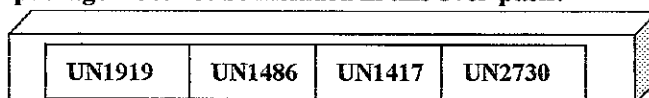
PARA. NO. _____

14. Fill in the NOPIC with these information:

FLT NO: BB009...to-day...PAX A/C
A/C NO; VHBBA
ITIN: SYD-HKG

AWB NO	PCS	UN NO.	NET QTY/PKG	TI/CAT	LOADING POSITION
0001	1	1088	5L		A51
0003	2	1586	10Kg		A52
0005	1	2982		0.5/II	AVE22331BB
0007	1	1910	20Kg		PAP56781BB

15. Which package must not be included in this over-pack?

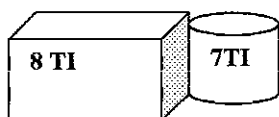


16. What is the minimum separation distance for the followings?

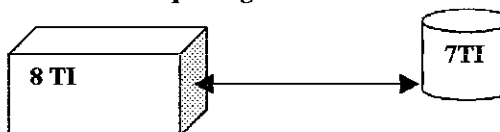
TI	Min. distance (Passenger's aircraft) in m.
4.3	
9.0	

17. Fill in the distance:

Before:




After: What is the horizontal separation distance between these 2 packages on a B747?



18. True or False and quote a reference no.

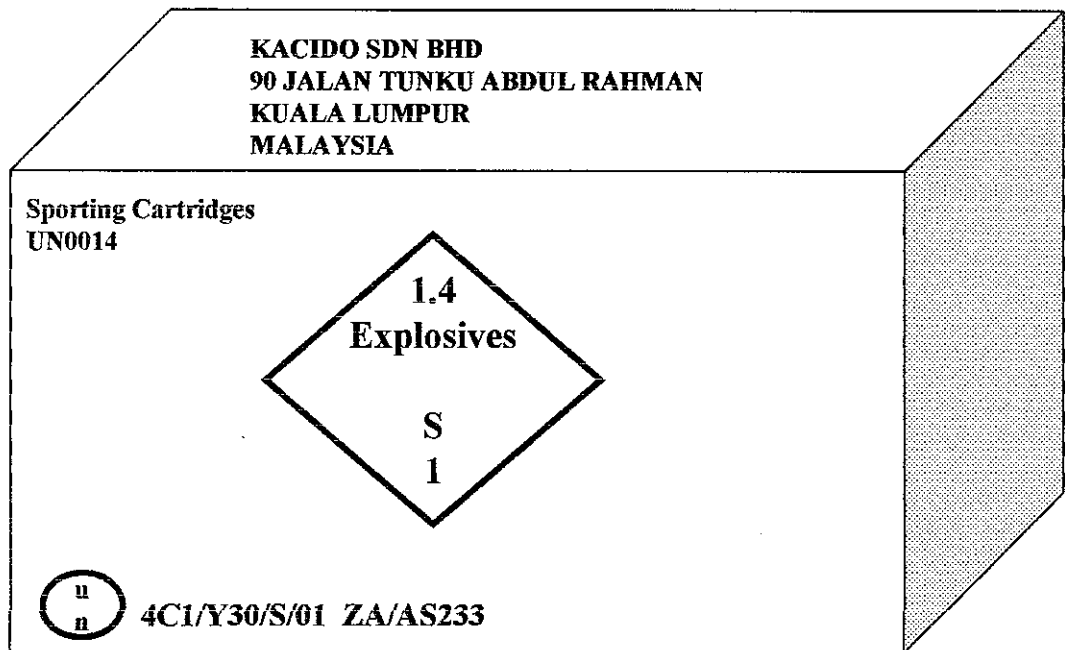
		T/F	Reference
1	A 4ft drop test is conducted on LTD QTY Pkg.		
2	A 6HC is a composite packaging		
3	Salvage Packaging is used to repack damaged DG		
4	MAG is permitted in Excepted Quantities		
5	Aerosol of Div.2.1 is not permitted in Ltd Qty.		
6	No absorbent material is required for UN1088 in passenger aircraft		
7	3-Pentanol is a proper shipping name.		
8	Japan Airlines accept Fissile Radioactive packages.		
9	RCL label is mandatory for UN1977		
10	DG packages must be able to withstand changes in temperature, net quantity and vibrations		
11	Refrigerators may contain liquefied gas		
12	RIS may be posted as Post Office Mail		
13	Packages containing Dry Ice must be airtight		
14	COKE, HOT is forbidden in aircraft under any circumstances		
15	This marking UN 1A2T/Y200/S/01 GB/AS is called SALVAGE PACKAGING		
16	Type B(M) radioactive must be carried in CAO		
17	Sub-risk labels must show Class number from July 01, 2001		
18	Freight container containing Radioactive must be label on two opposite sides.		
19	The current addition of the DGR is base on the ICAO Technical Instructions		
20	Shipper must insert 24hr emergency response telephone contact number in the Handling Information box of the DGD		

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper EUMEX TRADING LTD 100 NATHAN ROAD DURBAN SOUTH AFRICA		Air Waybill No. 777 0000 0001 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee KACIDO SDN BHD 90 JALAN TUNKU ABDUL RAHMAN KUALA LUMPUR MALAYSIA							
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		Airport of Departure: DUR					
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: KUL		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE		
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
BLANK CARTRIDGES FOR WEAPONS (for sporting purposes)	1.4	0014			1 4C1 23 Kg	130	Certificate of approval from Com. Of the South African Police attached.
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Mike Channon, Manager Place and Date Durban, 1 Jan 01 Signature <i>(see warning above)</i> 		

777 0000 0001

Airport of Destination KUALA LUMPUR		Requested Flight Date SA122 Jan 03		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	25	K				

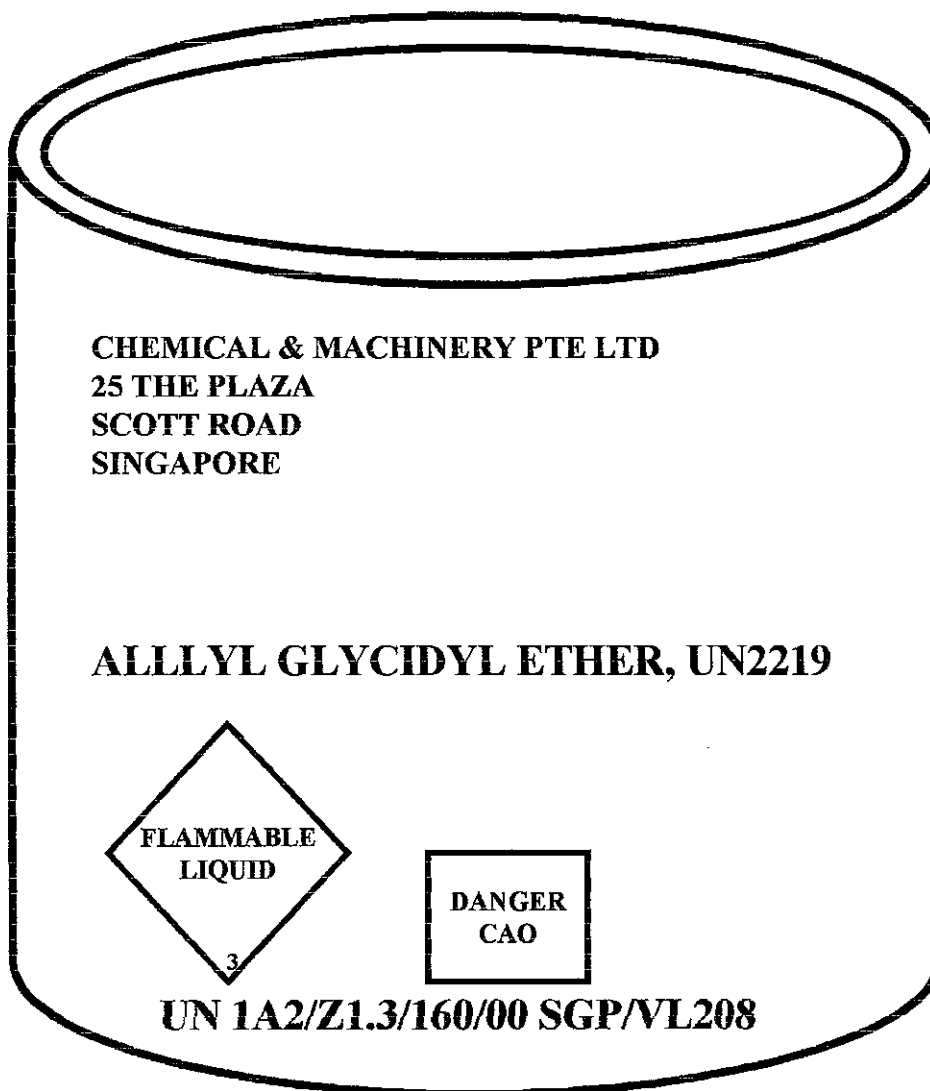


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper CHEMICAL & MACHINERY PTE LTD 25 THE PLAZA SCOTT ROAD SINGAPORE	Air Waybill No. 777 0000 0003 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee NIHON JUSHA CO LTD 3-CHOME, NERIMAKU OSAKA JAPAN							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: SIN						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="width:50%; text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY					
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: OSA	Shipment type: <i>(delete non-applicable)</i> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;">RADIOACTIVE</td> </tr> </table>	NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
ALLYL GLYCIDYL ETHER	UN 2219	3	III		1 1A2 100L	310	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations					Name/Title of Signatory Place and Date JIMMY LOW, MANAGER SINGAPORE JAN 01, 2001 Signature <i>(see warning above)</i>		

777 0000 0003

Airport of Destination KANSAI AIRPORT		Requested Flight Date SQ88		Amount of Insurance	INSURANCE	
Handling Information Dangerous as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	105	kg				

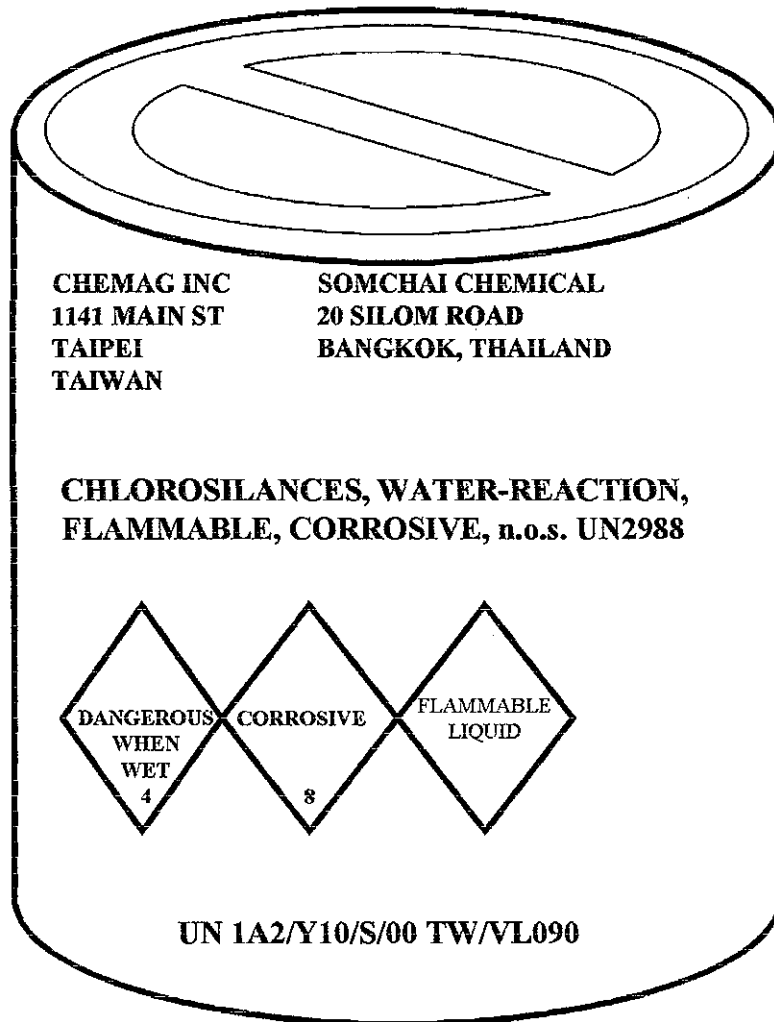


SHIPPER'S DECLARATION FOR DANGEROUS GOODS


Shipper CHEMAG INC 1141 MAIN ST TAIPEI TAIWAN	Air Waybill No. 777 0000 0004 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>						
Consignee SOMCHAI CHEMICAL LTD 20 SILOM ROAD BANGKOK THAILAND							
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>							
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure: <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 5px;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">PASSENGER AND CARGO AIRCRAFT</td> <td style="padding: 2px;">CARGO AIRCRAFT ONLY</td> </tr> </table> </div>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 5px;"> TAIPEI </div>							
Airport of Destination: BANGKOK							
Shipment type: <i>(delete non-applicable)</i> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 5px;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">NON-RADIOACTIVE</td> <td style="padding: 2px;">RADIOACTIVE</td> </tr> </table> </div>		NON-RADIOACTIVE	RADIOACTIVE				
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
CHLOROSILANCES, WATER-REACTIVE, FLAMMABLE, n.o.s	UN 2988	4	1	38	1 STEEL 1L	408	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory FREDERICK LEP, MANAGER Place and Date TAIPEI JAN 01, 2001 Signature <i>(see warning above)</i> F.L.		

777 0000 0004

Airport of Destination BANGKOK		Requested Flight Date CI JAN 03		Amount of Insurance	INSURANCE	
Handling Information See attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	3	k				

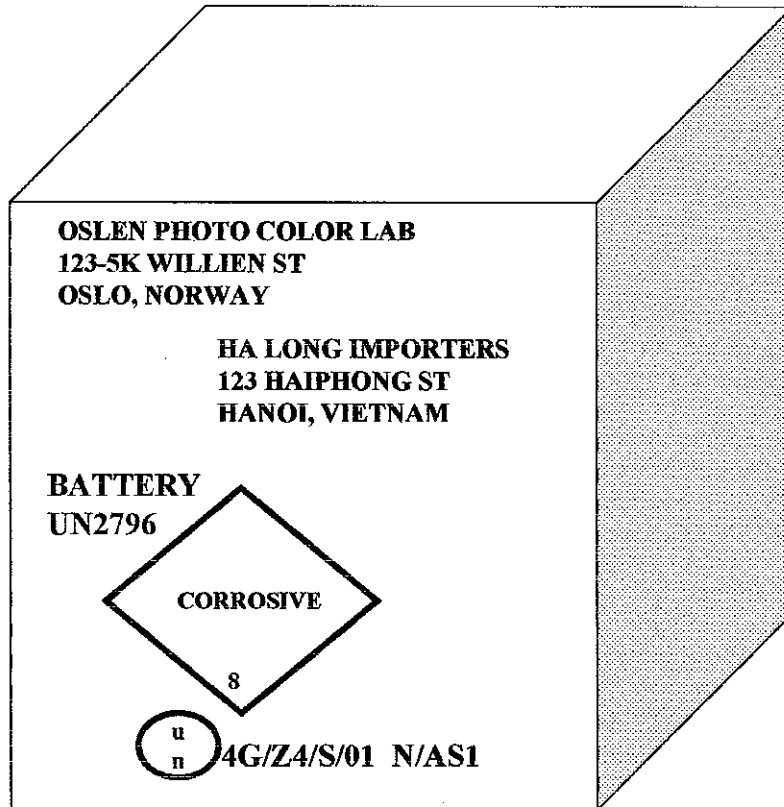


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

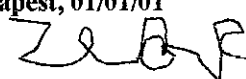
Shipper OLSEN PHOTO COLOR LAB. 123-5K WILLIEN ST OSLO NORWAY				Air Waybill No. 777 0000 0008 Page of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee HA LONG IMPORTERS 123 HAIPHONG ST HANOI VIETNAM									
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>				WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>									
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PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY								
Airport of Destination: <p style="text-align: center;">HANOI</p>				Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>				NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE								
NATURE AND QUANTITY OF DANGEROUS GOODS									
Dangerous Goods Identification									
Proper Shipping Name		Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization	
Battery fluid, acid		8	UN2796	II		1 4G 1 L	809		
Additional Handling Information									
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Jesper Mann, Manager Place and Date Oslo, 01/01/01 Signature <i>(see warning above)</i>				
									

777 0000 0008

Airport of Destination HANOI		Requested Flight Date SK80 JAN01		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods as per attached DG.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	3	k				

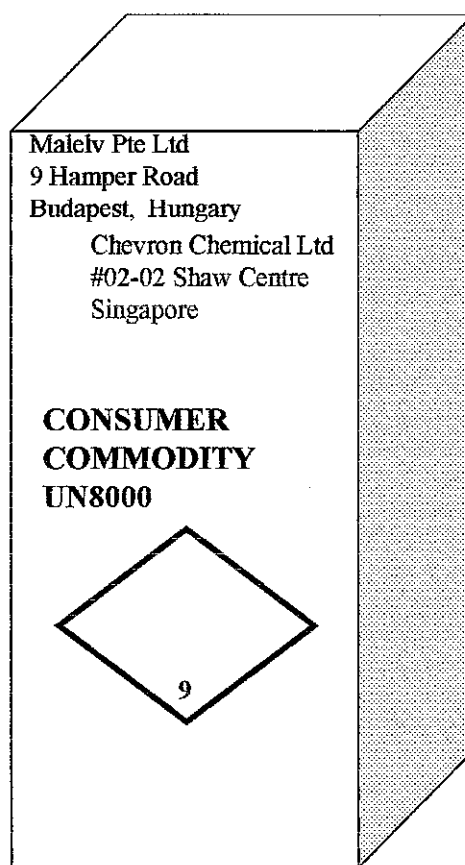
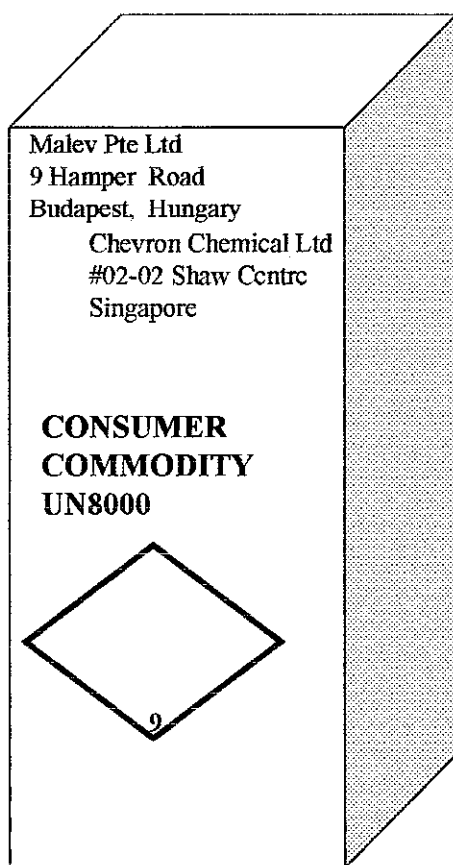


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper MALEV PTE LTD 9 HAMPER ROAD BUDAPEST HUNGARY		Air Waybill No. 777 0000 0009 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee CHEVRON CHEMICAL LTD #02-02 SHAW CENTRE SINGAPORE							
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
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PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination:		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE		
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
Cosmetics n.o.s.	9	UN8000			2 wooden boxes x 25kg	910	
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Zsa Gabo, Manageress Place and Date Budapest, 01/01/01 Signature <i>(see warning above)</i> 		

777 0000 0009

Airport of Destination Singapore		Requested Flight Date SK8190 JAN.02		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods as per attached DGR.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
2	50	k				

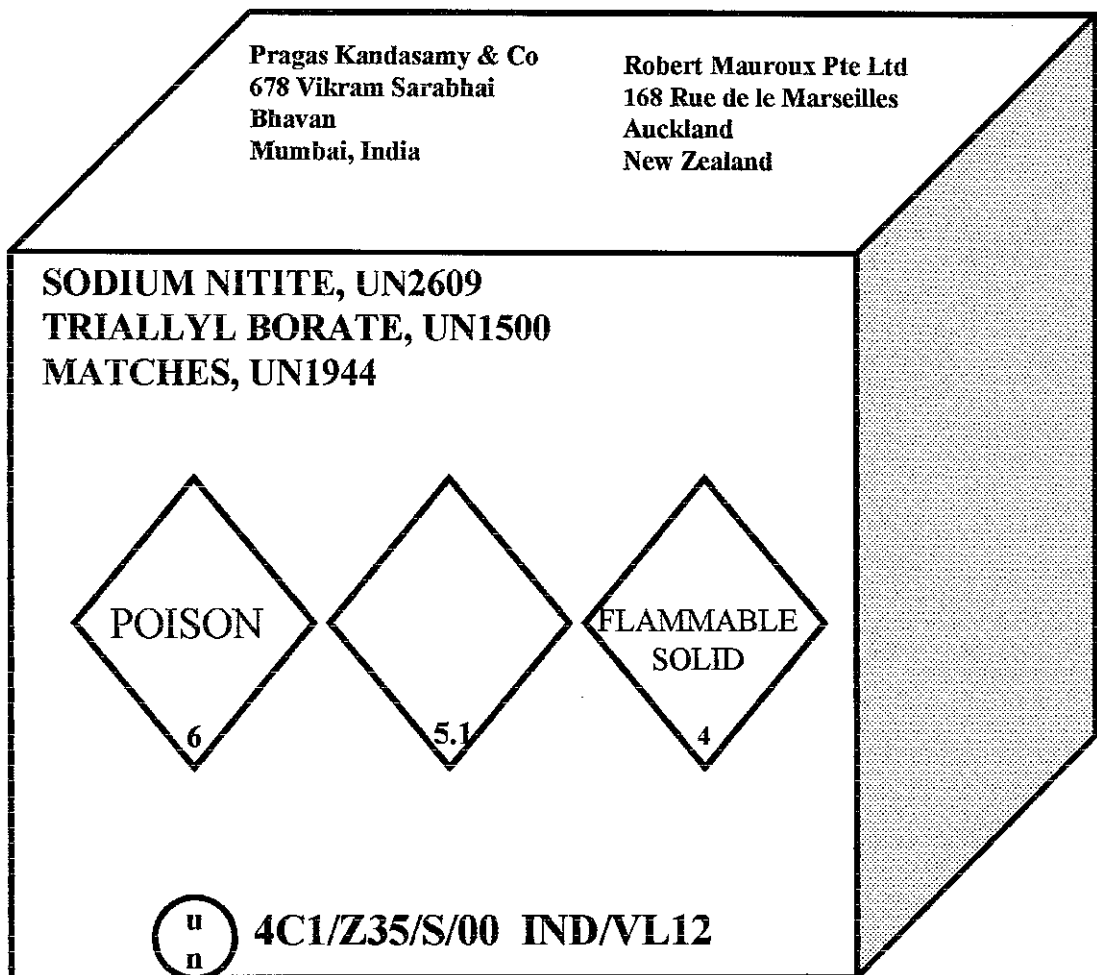


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper Pragas Kandasmy & Co 678 Vikram Sarabhai Bhavan Mumbai India		Air Waybill No. 777 0000 0010 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee Robert Mauroux Pte Ltd 168 Rue de le Marseilles Auckland New Zealand							
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		Airport of Departure: Mumbai					
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination:		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE		
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
Sodium Nitrite	5.1	UN1500	III		12 kg	516	
Triallyl Borate	6.1	UN2609	II		12L	611	
Safety Matches	4	ID1944	3		5L	440	
					All packed in one wooden box Q = 0.88		
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Samy Samy, Manager Place and Date Signature Mumbai, 1 JAN 2001 <i>(see warning above)</i>		
					SS		

777 0000 0010

Airport of Destination AUCKLAND		Requested Flight Date NZ890 Jan 02		Amount of Insurance	INSURANCE	
Handling Information DGD attached.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
1	32	k				

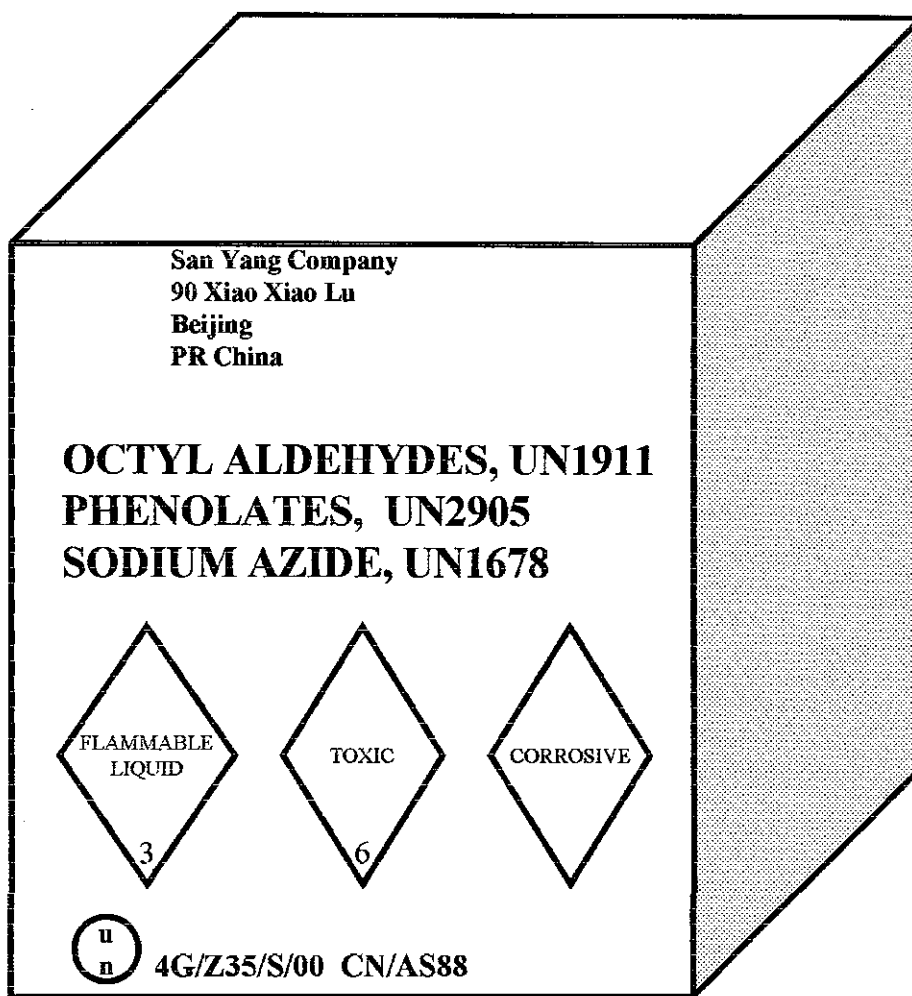


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper San Yang Company 90 Xiao Xiao Lu Beijing PR China		Air Waybill No. 777 0000 0011 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee Roberto Mancini Co., 53 Via Veneto Rome Italy							
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
Airport of Departure: Beijing		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE		
NON-RADIOACTIVE	RADIOACTIVE						
Airport of Destination: Rome							
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization
OCTYL ALDEHYDES	3	UN119	III		6L	309	
PHENOLATES	8	UN2905	111		10	822	
SODIUM AZIDE	6	UN1687	II		10 Kg	613	
					All packed in one 4G		
					Q = 0.9		
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Alex Wu, Manager Place and Date Beijing 1 Jan 2001 Signature <i>(see warning above)</i> Alex		

777 0000 0011

Airport of Destination ROME		Requested Flight Date		Amount of Insurance	INSURANCE	
Handling Information Dangerous goods						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	28	k				

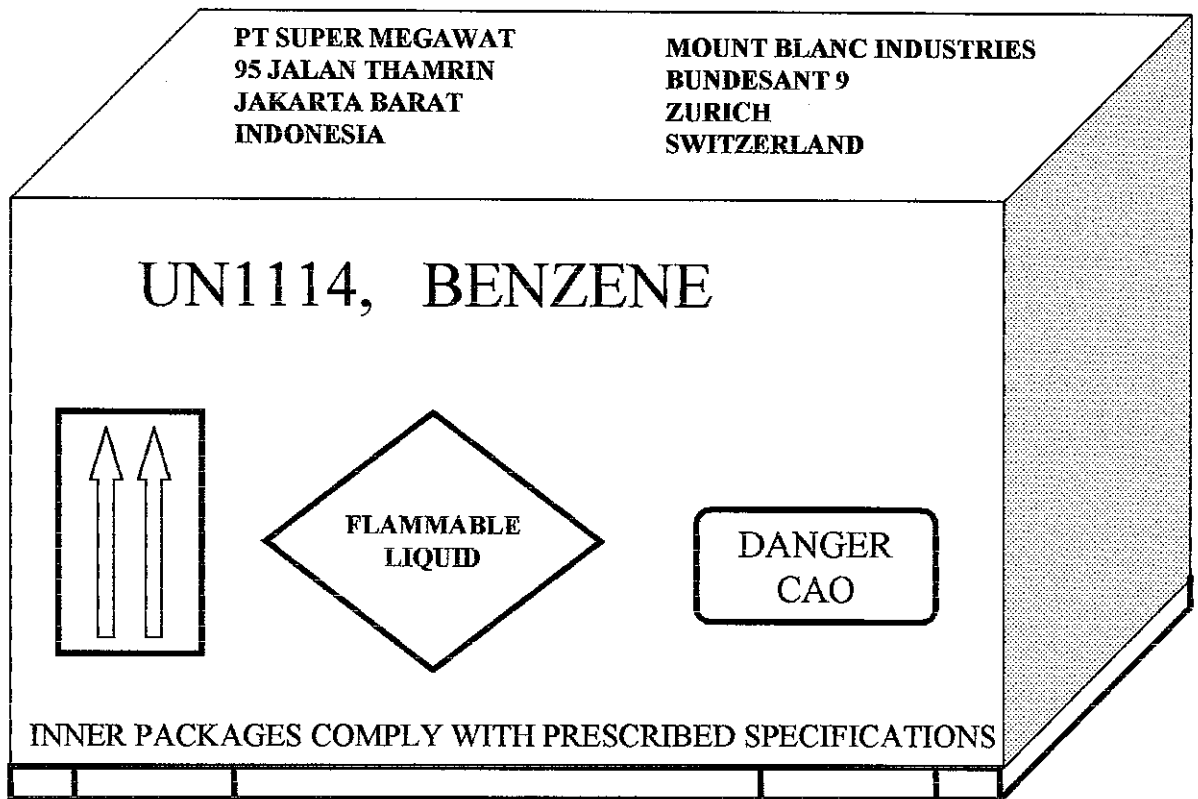


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper PT SUPER MEGAWAT 95 JALAN THAMRIN JAKARTA BARAT INDONESIA	Air Waybill No. 777 0000 0013 Page of Pages Shipper's Reference Number <i>(optional)</i>																																								
Consignee MOUNT BLANC INDUSTRIES BUNDESANT 9 ZURICH SWITZERLAND																																									
Two completed and signed copies of this Declaration must be handed to the operator																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TRANSPORT DETAILS</td> </tr> <tr> <td style="width:30%; vertical-align: top;"> This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i> </td> <td style="vertical-align: top;"> Airport of Departure: </td> </tr> <tr> <td style="text-align: center;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="width:50%; text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table> </td> <td></td> </tr> <tr> <td colspan="2" style="vertical-align: top;"> Airport of Destination: </td> </tr> <tr> <td colspan="2" style="text-align: center;"> Shipment type: <i>(delete non-applicable)</i> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;">RADIOACTIVE</td> </tr> </table> </td> </tr> </table>		TRANSPORT DETAILS		This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>	Airport of Departure:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">PASSENGER AND CARGO AIRCRAFT</td> <td style="width:50%; text-align: center;">CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY		Airport of Destination:		Shipment type: <i>(delete non-applicable)</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;">RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="8" style="text-align: center;">NATURE AND QUANTITY OF DANGEROUS GOODS</td> </tr> <tr> <td colspan="8" style="text-align: center;">Dangerous Goods Identification</td> </tr> <tr> <td style="width:30%;">Proper Shipping Name</td> <td style="width:5%;">Class or Division</td> <td style="width:10%;">UN or ID No.</td> <td style="width:5%;">Pack- ing Group</td> <td style="width:5%;">Subsi- diary Risk</td> <td style="width:20%;">Quantity and type of packing</td> <td style="width:5%;">Packing Inst.</td> <td style="width:20%;">Authorization</td> </tr> <tr> <td>BENZENE</td> <td style="text-align: center;">3</td> <td style="text-align: center;">UN1114</td> <td style="text-align: center;">II</td> <td></td> <td style="text-align: center;">10 STEEL DRUM X 60L OVERPACK USED</td> <td style="text-align: center;">307</td> <td></td> </tr> <tr> <td colspan="8" style="vertical-align: top;">Additional Handling Information</td> </tr> </table>		NATURE AND QUANTITY OF DANGEROUS GOODS								Dangerous Goods Identification								Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing Group	Subsi- diary Risk	Quantity and type of packing	Packing Inst.	Authorization	BENZENE	3	UN1114	II		10 STEEL DRUM X 60L OVERPACK USED	307		Additional Handling Information							
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BENZENE	3	UN1114	II		10 STEEL DRUM X 60L OVERPACK USED	307																																			
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I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations	Name/Title of Signatory Place and Date Adi Supranto, Manager Signature Jakarta, 01/01/01 <i>(see warning above)</i>																																								

777 0000 0013

Airport of Destination ZURICH		Requested Flight Date SR890 JAN 01		Amount of Insurance	INSURANCE	
Handling Information As per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	610	K				

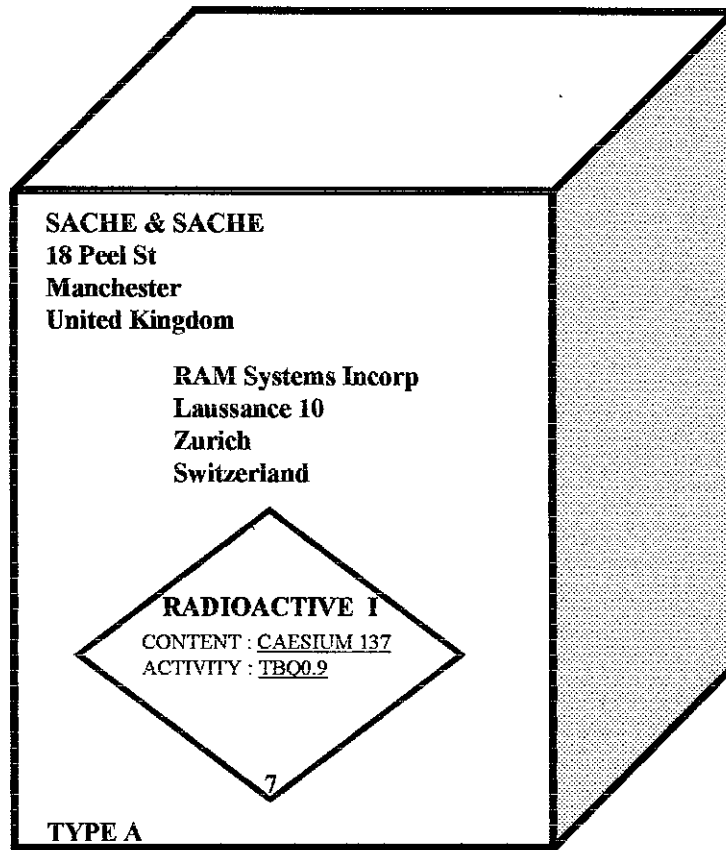


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

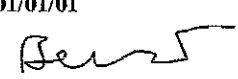
Shipper Sache & Sache 18 Peel St Manchester United Kingdom				Air Waybill No. 777 0000 0015 Page 1 of 1 Pages Shipper's Reference Number <i>(optional)</i>					
Consignee RAM Systems Incorp Laussance 10 CH1008 Zurich Switzerland									
<i>Two completed and signed copies of this Declaration must be handed to the operator</i>				WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>									
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PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY								
Airport of Destination: Zurich				Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>				NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE								
NATURE AND QUANTITY OF DANGEROUS GOODS									
Dangerous Goods Identification									
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization		
RAM, special form, n.o.s.	7	UN2974			CS-137 1 Type A package x 0.9 TBq	I white	Special Form Approval Cert. No. 02 attached		
Additional Handling Information									
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Francios Nikka, Manager Place and Date Manchester, 1 JAN 2001 Signature <i>(see warning above)</i> Nikka				

777 0000 0015

Airport of Destination ZURICH		Requested Flight Date BA899 JAN.02		Amount of Insurance	INSURANCE	
Handling Information RAM as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	3	K				

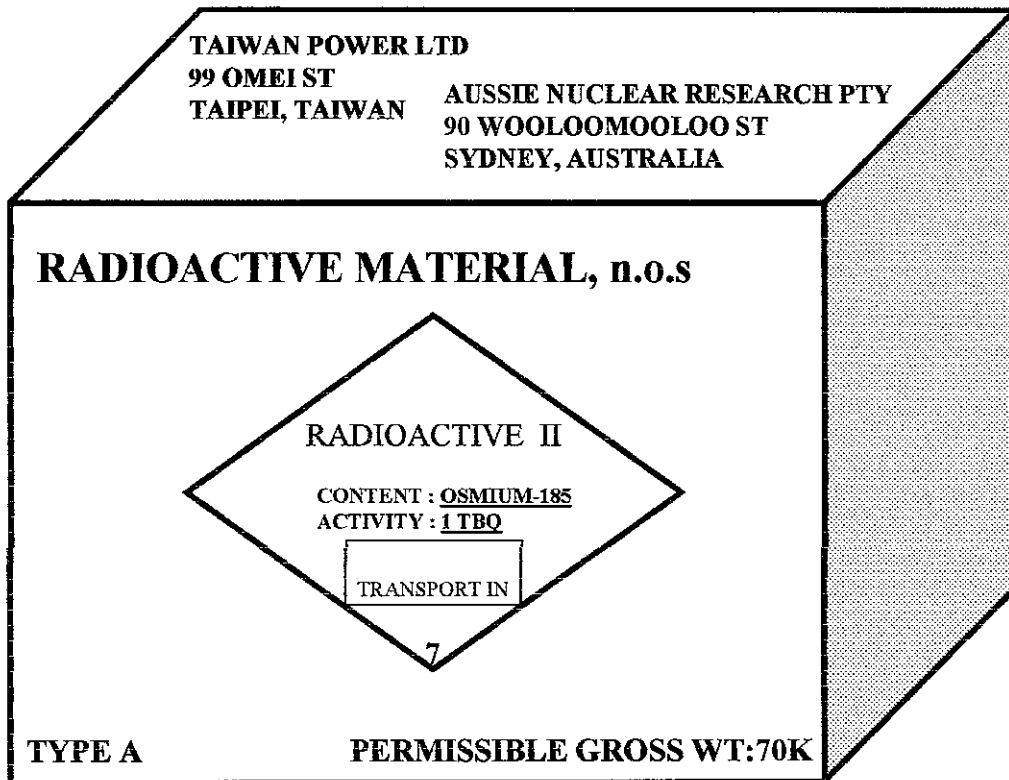


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper TAIWAN POWER LTD 99 OMEI ST TAIPEI TAIWAN		Air Waybill No. 777 0000 0016 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>			
Consignee AUSSIE NUCLEAR RESEARCH PTY 90 WOOLOOMOOLOO ST SYDNEY, N.S.W. AUSTRALIA					
Two completed and signed copies of this Declaration must be handed to the operator TRANSPORT DETAILS This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.			
Airport of Departure: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table> </div>		PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY	Airport of Departure: TAIPEI	
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY				
Airport of Destination: SYDNEY		Shipment type: <i>(delete non-applicable)</i> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table> </div>		NON-RADIOACTIVE	RADIOACTIVE
NON-RADIOACTIVE	RADIOACTIVE				
NATURE AND QUANTITY OF DANGEROUS GOODS					
Dangerous Goods Identification					
Proper Shipping Name RADIOACTIVE MATERIAL, OTHER FORM , n.o.s.	Class or Division 7	UN or ID No. UN2982	Packing Group Sub-diary Risk Quantity and type of packing OSMIUM-185 1 Type A package x 1 TBQ		
			Packing Inst. Authorization II YELLOW TI=0.33 DIMS: 40X40 X40CM		
Additional Handling Information					
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations		Name/Title of Signatory BERNARD CHEN Place and Date TAIPEI, 01/01/01 Signature <i>(see warning above)</i> 			

777 0000 0016

Airport of Destination SYDNEY		Requested Flight Date CI JAN.2		Amount of Insurance	INSURANCE	
Handling Information Dangerous Goods as per attached DGD.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	58.0	k				

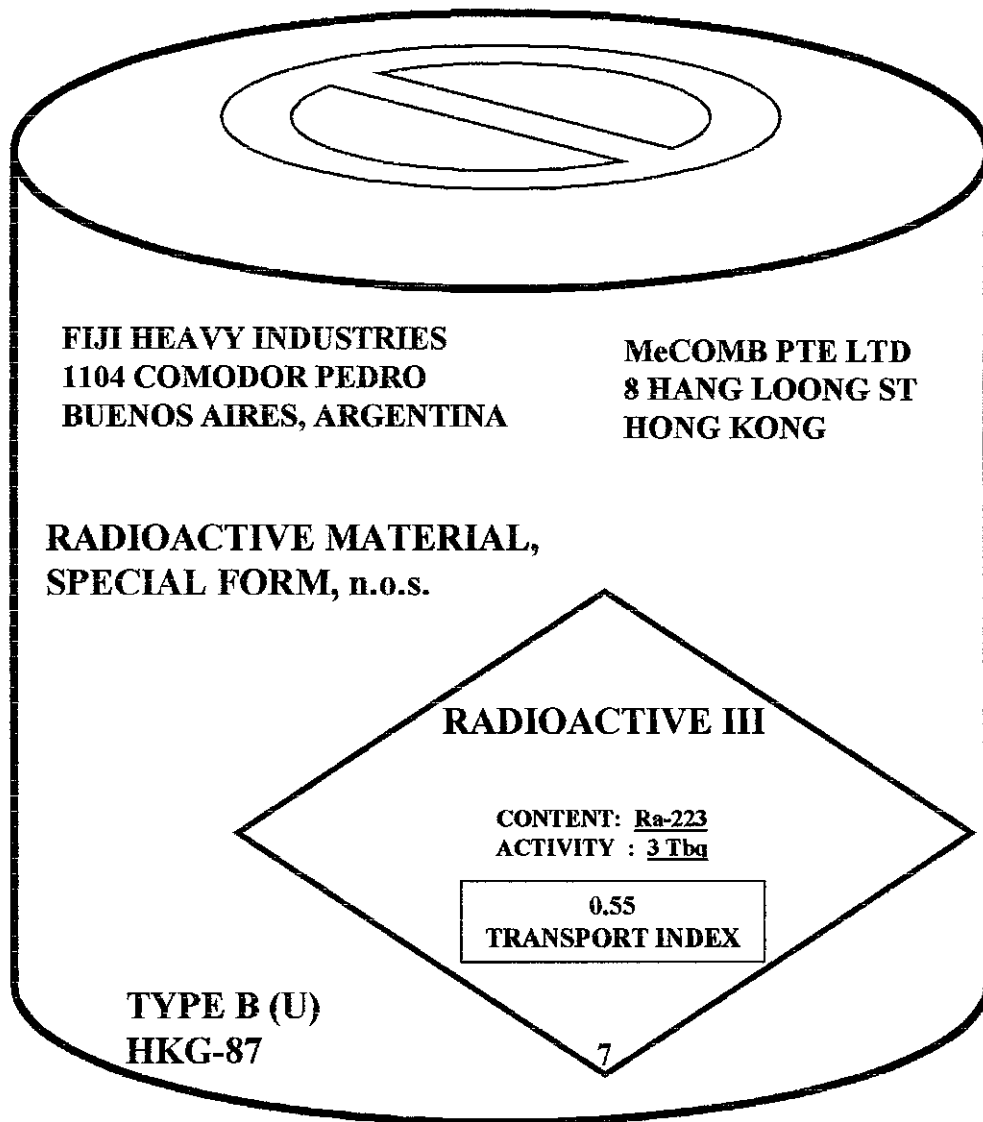


SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper MeCOMB PTE LTD 8 HANG LOONG ST HONG KONG		Air Waybill No. 777 0000 0017 Page 1 of Pages Shipper's Reference Number <i>(optional)</i>					
Consignee FIJI HEAVY INDUSTRIES 1104 COMODOR PEDRO BUENOS AIRES ARGENTINA							
Two completed and signed copies of this Declaration must be handed to the operator		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties. This Declaration must not, in any circumstances, be completed and/or signed by a consolidator, a forwarder or an IATA cargo agent.					
TRANSPORT DETAILS							
This shipment is within the limitations prescribed for: <i>(delete non-applicable)</i>		Airport of Departure: <p style="text-align: center;">HKG</p>					
<table border="1"> <tr> <td>PASSENGER AND CARGO AIRCRAFT</td> <td>CARGO AIRCRAFT ONLY</td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY					
PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY						
Airport of Destination: <p style="text-align: center;">BUE</p>		Shipment type: <i>(delete non-applicable)</i> <table border="1"> <tr> <td>NON-RADIOACTIVE</td> <td>RADIOACTIVE</td> </tr> </table>		NON-RADIOACTIVE	RADIOACTIVE		
NON-RADIOACTIVE	RADIOACTIVE						
NATURE AND QUANTITY OF DANGEROUS GOODS							
Dangerous Goods Identification							
Proper Shipping Name	Class or Division	UN or ID No.	Packing Group	Subsidiary Risk	Quantity and type of packing	Packing Inst.	Authorization
RADIOACTIVE MATERIAL, SPECIAL FORM, n.o.s	7	UN2974			RADIUM-223 1 TYPE B (U) steel package x 3 Tbq	III Yellow TI 0.55	Special Form S303 & Package Design Cert. HKG87 attached
Additional Handling Information							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations					Name/Title of Signatory Place and Date Happy Kau, Manageress Signature Hong Kong 01/01/01 <i>(see warning above)</i>		

777 0000 0017

Airport of Destination Buenos Aires		Requested Flight Date		Amount of Insurance	INSURANCE	
Handling Information DGD attached.						
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Rate	Total	Nature and Quantity of Goods (incl. Dimensions of Volume)
			Commodity Item No.	Charge		
1	60	k				



DANGEROUS GOODS CHECK LIST FOR A NON-RADIOACTIVE SHIPMENT

The recommended check list appearing on the following pages is intended to verify shipments at origin.

Never accept or refuse a shipment before all items have been checked.

Is the following information correct for each entry?

SHIPPERS DECLARATION FOR DANGEROUS GOODS (DGD)

	YES	NO*	N/A		YES	NO*	N/A
1. Two copies in English and in the IATA format [8.1.1, 10.8.1.2, 10.8.1.3, 9.1.1.2]	<input type="checkbox"/>	<input type="checkbox"/>		18. Overpack			
2. Full name and address of Shipper [8.1.6.1]	<input type="checkbox"/>	<input type="checkbox"/>		- Indication "Overpack used" [8.1.6.9.2, Step 7]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Full name and address of Consignee [8.1.6.2]	<input type="checkbox"/>	<input type="checkbox"/>		- Compatible according to Table 9.3.A [5.0.1.5.1 and 5.0.1.5.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Name and Telephone Number of a person responsible for Division 6.2 Infectious Substance shipment [8.1.6.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Multi-overpack marks and quantity per overpack (Fig. 8.1.L and 8.1.M) [8.1.6.9.2, Step 7]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. If the Air Waybill number is not shown, enter it. [8.1.6.3]	<input type="checkbox"/>	<input type="checkbox"/>		Packing Instructions			
6. The number of pages shown [8.1.6.4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19. Packing Instruction Number [8.1.6.9.3, Step 8]	<input type="checkbox"/>	<input type="checkbox"/>	
7. If full name of Airport or City of Departure or Destination is not shown, enter it. [8.1.6.6 and 8.1.6.7]	<input type="checkbox"/>	<input type="checkbox"/>		Authorizations			
8. The non-applicable Aircraft Type deleted [8.1.6.5]	<input type="checkbox"/>	<input type="checkbox"/>		20. Indication of "Limited Quantity" or "Ltd. Qty." if "Y" packing instruction used [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The word "Radioactive" deleted [8.1.6.8]	<input type="checkbox"/>	<input type="checkbox"/>		21. The Special Provision Number if A1, A2, A51, A81 or A109 [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identification				22. Indication that governmental authorization is attached, including a copy in English [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Proper Shipping Name and the technical name in parentheses for asterisked entries [8.1.6.9.1, Step 1]	<input type="checkbox"/>	<input type="checkbox"/>		23. Additional approvals for other items under [8.1.6.9.4, Step 9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Class or Division, and for Class 1, the Compatibility Group [8.1.6.9.1, Step 2]	<input type="checkbox"/>	<input type="checkbox"/>		Additional Handling Information			
12. UN or ID Number, preceded by prefix [8.1.6.9.1, Step 3]	<input type="checkbox"/>	<input type="checkbox"/>		24. For self-reactive and related substances of Division 4.1 and organic peroxides of Division 5.2, or samples thereof, is the mandatory statement shown [8.1.6.11.1 and 8.1.6.11.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Packing Group [8.1.6.9.1, Step 4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25. Prior arrangement statement for Infectious Substances [8.1.6.11.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidiary Risk [8.1.6.9.1, Step 5] (if additional labeling)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26. Name and Title of Signatory, Place and Date indicated [8.1.6.12 and 8.1.6.13]	<input type="checkbox"/>	<input type="checkbox"/>	
Quantity and Type of Packing				27. Signature of Shipper [8.1.6.14]	<input type="checkbox"/>	<input type="checkbox"/>	
15. Number and Type of Packages [8.1.6.9.2, Step 6]	<input type="checkbox"/>	<input type="checkbox"/>		28. Amendment or alteration signed by Shipper [8.1.2.6]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Quantity and unit of measure (net or gross, as applicable) per package [8.1.6.9.2, Step 6]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AIR WAYBILL			
17. If different dangerous goods are packed in one outer packaging, are the following rules applied:				29. The Handling Information box shows: "Dangerous goods as per attached Shipper's Declaration" or "Dangerous Goods as per attached DGD" [8.2.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Compatible according to Table 9.3.A. (note exception for chemical kits/first aid kits. See Packing Instruction 915 and Y915)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30. "Cargo Aircraft Only" or "CAO", if applicable [8.2.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- For UN packages containing Division 6.2 [5.0.2.11(c)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
- "All packed in one (type of packaging)" [8.1.6.9.2, Step 6(e)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
- Calculation of "Q" value [5.0.2.11;5.0.3.2; 8.1.6.9.2, Step 6(f)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

	YES	NO*	N/A		YES	NO*	N/A
PACKAGE(S) AND OVERPACKS				43. The Subsidiary Hazard label(s), without Class or Division Number, as per 4.2, Column E [7.2.3.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31. Packaging conforms with packing instruction and is undamaged [9.1.1.3]	<input type="checkbox"/>	<input type="checkbox"/>		43A. The Subsidiary Hazard Labels must show the Class or Division Number as per 4.2, Column E [7.2.3.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32. Same number and type of packagings and overpacks delivered as shown on DGD and is undamaged [9.1.1.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	44. Cargo Aircraft Only label, adjacent to the Hazard label(s) [7.2.4.2; 7.2.6.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Markings				45. "Orientation" labels [7.2.4.4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33. For UN Specification Packaging, are they marked according to 6.0.4 and 6.0.5:				46. For Magnetized Material, the Handling label [Subsection 4.2, Column E and 7.2.4.1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Symbol and Specification Code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	47. "Cryogenic Liquid" labels [7.2.4.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- X, Y or Z, agreed with Packing Group/Packing Instruction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48. All above labels correctly affixed [7.2] and have all irrelevant marks and labels been removed [7.1.1; 7.2.1]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Maximum Gross Weight not exceeded (Solids or Inner Packagings)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For Overpacks			
- Infectious substance package marking [6.0.6]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	49. If specification markings are not visible, the required statement marked [7.1.4.2]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34. The Proper Shipping Name(s) including technical name where required, and the UN or ID Number(s) [7.1.5.1(a)]	<input type="checkbox"/>	<input type="checkbox"/>		50. Packaging Use markings as required must be clearly visible or reproduced on the outside of the overpack [7.1.5]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35. The full name(s) and Address(es) of Shipper and Consignee [7.1.5.1(b)]	<input type="checkbox"/>	<input type="checkbox"/>		51. If more than one overpack, identification marks and the total quantity of each overpack must be indicated adjacent to the proper shipping name [Figure 8.1.L and 8.1.M; 7.1.4.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36. The Net Quantity of Explosives and Gross Weight of the package for Class 1 items [7.1.5.1(c)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	52. "Cargo Aircraft Only" restrictions [5.0.1.5.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37. The Name and Telephone Number of a person responsible for Division 6.2 Infectious Substances shipment [7.1.5.1(d)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GENERAL			
38. The Special Marking requirements shown for Packing Instruction 202 [7.1.5.1(e)] 916, 917	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	53. State and Operator variations complied with [2.9]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39. In case of Carbon Dioxide, Solid (Dry Ice), the Net Weight marked on the package [7.1.5.1(f)]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	54. Advance arrangements for Infectious, Self-Reactive Substances of Division 4.1 and Organic Peroxides of Division 5.2 made and confirmed [9.1.2; 9.1.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40. For Limited Quantity packagings: "LIMITED QUANTITY" or "LTD. QTY." [7.1.5.3]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55. For "Cargo Aircraft Only" shipments, a cargo aircraft operates on all sectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41. For Salvage Packagings: Is it marked "Salvage"? [7.1.5.4]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Labeling							
42. The Primary Risk label(s), with Class or Division Number affixed to each package, as per 4.2, Column E [7.2.3.2]	<input type="checkbox"/>	<input type="checkbox"/>					

Comments:

Checked by: _____

Place: _____

Signature: _____

Date: _____

Time: _____

***IF ANY QUESTION IS ANSWERED WITH A "NO", DO NOT ACCEPT THE SHIPMENT AND GIVE A DUPLICATE COPY OF THIS COMPLETED FORM TO THE SHIPPER.**

DANGEROUS GOODS CHECK LIST FOR A RADIOACTIVE SHIPMENT

The recommended check list appearing on the following pages is intended to verify shipments at origin.

Never accept or refuse a shipment before all items have been checked.

Is the following information correct for each entry?

SHIPPER'S DECLARATION FOR DANGEROUS GOODS (DGD)

	YES	NO*	N/A		YES	NO*	N/A
1. Two copies in English and in the IATA format (8.1.1, 10.8.1.2, 10.8.1.3, 9.1.1.2)	<input type="checkbox"/>	<input type="checkbox"/>		19. Activity within limits for Type A packages (Table 10.4.A) or Type B (see attached competent authority certificate)	<input type="checkbox"/>	<input type="checkbox"/>	
2. Full name and address of Shipper (10.8.3.1)	<input type="checkbox"/>	<input type="checkbox"/>		20. Words "overpack used" shown on the DGD (10.8.3.9.2, Step 8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Full name and address of Consignee (10.8.3.2)	<input type="checkbox"/>	<input type="checkbox"/>		Packing Instructions			
4. If the Air Waybill number is not shown, enter it! (10.8.3.3)	<input type="checkbox"/>			21. Category of package(s) or overpack (10.8.3.9.3, Step 9)	<input type="checkbox"/>	<input type="checkbox"/>	
5. The number of pages shown (10.8.3.4)	<input type="checkbox"/>	<input type="checkbox"/>		22. Transport Index and dimensions for Category II and Category III only (10.8.3.9.3, Step 9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. If full name of Airport or City of Departure or Destination is not shown, enter it! (10.8.3.6 and 10.8.3.7)	<input type="checkbox"/>			23. "Fissile Excepted" (10.8.3.9.3, Step 9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The non-applicable Aircraft Type deleted (10.8.3.5) and the word "Non-Radioactive" deleted (10.8.3.8)	<input type="checkbox"/>	<input type="checkbox"/>		Authorizations			
Identification				24. Identification marks shown and a copy of the document in English attached to DGD for the following (10.8.3.9.4, Step 10; 10.10.3.1):			
8. Proper Shipping Name (10.8.3.9.1, Step 1)	<input type="checkbox"/>	<input type="checkbox"/>		— Special Form approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Class 7 (10.8.3.9.1, Step 2)	<input type="checkbox"/>	<input type="checkbox"/>		— Type B package design approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. UN Number, preceded by prefix (10.8.3.9.1, Step 3)	<input type="checkbox"/>	<input type="checkbox"/>		— Type B(M) package shipment approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Packing Group if required for Subsidiary Risk (10.8.3.9.1, Step 4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	— Fissile material package design approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Subsidiary Risk (10.8.3.9.1, Step 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	— Fissile material package shipment approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quantity and Type of Packing				— Special Arrangement shipment approval certificate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. The words "Radioactive Material" if not included in the Proper Shipping Name (10.8.3.9.2, Step 6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25. Additional Handling Information (10.8.3.11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Name or Symbol of Radionuclide(s) (10.8.3.9.2, Step 6)	<input type="checkbox"/>	<input type="checkbox"/>		26. Name and Title of Signatory, Place and Date indicated (10.8.3.12 and 10.8.3.13)	<input type="checkbox"/>	<input type="checkbox"/>	
15. A description of the physical and chemical form, or Special Form, if not included in Proper Shipping Name (10.8.3.9.2, Step 6(c))	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27. Signature of Shipper (10.8.3.14)	<input type="checkbox"/>	<input type="checkbox"/>	
16. The group for LSA and SCO (10.8.3.9.2, Step 6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28. Amendment or alteration signed by Shipper (10.8.1.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. The number and type of packages and the activity in Becquerels in each package, or for Fissile Material the total weight in grams or kilograms of fissile material may be shown in place of activity (10.8.3.9.2, Step 7)	<input type="checkbox"/>	<input type="checkbox"/>		AIR WAYBILL			
18. For different individual radionuclides, the words "All packed in one" (10.8.3.9.2, Step 7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29. The Handling Information box shows: "Dangerous goods as per attached Shipper's Declaration" (10.8.7.1)	<input type="checkbox"/>	<input type="checkbox"/>	
				30. Cargo Aircraft Only, if applicable (10.8.7.1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				31. Number of dangerous goods pieces if packages of dangerous and non-dangerous in one shipment (10.8.7.2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				PACKAGE(S) AND OVERPACKS			
				32. Number and type of packagings and overpacks delivered as shown on DGD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				33. Unbroken transportation seal (10.6.2.1.1.2, 10.6.2.2.6) and package in proper condition for carriage (9.1.1.3, 9.1.1.4)	<input type="checkbox"/>	<input type="checkbox"/>	

- YES NO* N/A**
- Markings**
34. Package bears Type A (10.7.1.3.3)
35. Package bears Type B(U) or Type B(M) and approval mark corresponding to the certificate (10.7.1.3.4)
36. The Proper Shipping Name and UN Number (10.7.1.3.1)
37. The Name and Address of the Shipper and Consignee (10.7.1.3.1)
38. The permissible gross mass if it exceeds 50 kg (10.7.1.3.1))
- Labelling**
39. Two correctly completed Radioactive labels on opposite sides (10.7.4.3.1; 10.7.3.3)
40. The Subsidiary Risk labels, without Class or Division Number (10.7.3.2)
41. Cargo Aircraft Only label, if required, adjacent to the Hazard labels (10.7.4.2.3; 10.7.4.4.1)

- YES NO* N/A**
42. All labels correctly affixed and irrelevant marks and labels removed (10.7.4.1)
- For Overpacks**
43. If "Type A", "Type B(U)" or "Type B(M)" not visible, the required statement shown (10.7.1.4.2)
44. Conditions of 10.7.3.4 complied with
- GENERAL**
45. State and Operator variations complied with as per 2.9
46. The Emergency Response Telephone Number as required by USG-12
47. For Cargo Aircraft Only shipments, a cargo aircraft operates on all sectors
48. For packages containing Carbon dioxide solid (dry ice), have the marking, labelling and documentary requirements been applied (Packing Instruction 904 and 7.2.3.9)

Comments:

Checked by:

Place:

Signature:

Date:

Time:

*** IF ANY QUESTION IS ANSWERED WITH A "NO" DO NOT ACCEPT THE SHIPMENT AND GIVE A DUPLICATE COPY OF THIS COMPLETED FORM TO THE SHIPPER.**