

MAINFREIGHT (S) PTE LTD



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MFCL2000



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DG CLASSIFICATION LIST

CLASS 1 : EXPLOSIVE



1.1 Explosives with a mass explosion hazard
example TNT, dynamite, nitroglycerine.



1.2 Explosives with a severe projection hazard.



1.3 Explosives with a fire, blast or projection hazard
but not a mass explosion hazard.



1.4 Minor fire or projection hazard (includes
ammunition and most consumer fireworks).



1.5 Blasting agents

CLASS 2 : GASES



2.1 Flammable gas – gases which ignite on contact
with an ignition source example acetylene,
hydrogen.



2.2 Non flammable gases – gases which are neither
flammable nor poisonous example oxygen,
nitrogen, neon.



2.3 Poisonous gases – gases liable to cause death
or serious injury to human health if inhaled
example fluorine, chlorine, hydrogen cyanide

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CLASS 3 : FLAMMABLE LIQUID



- 3.1 Highly flammable liquids with a boiling point below 35 degree Celsius example diethyl ether, carbon disulfide.



- 3.2 Flammable liquids with a flashpoint of less than 23 degree Celsius and boiling point above 35 degree Celsius example petrol, acetone.



- 3.3 Liquids with a flashpoint above 23 degree Celsius but not exceeding 61 degree Celsius and a boiling point greater than 35 degree Celsius example kerosene.

CLASS 4 : FLAMMABLE SOLID



- 4.1 Flammable solids which are easily ignited and readily combustible example nitrocellulose, magnesium, safety or strike-anywhere matches.



- 4.2 Spontaneously combustible substances example aluminium alkyls, white phosphorus.



- 4.3 Substances which emit a flammable gas when wet or react violently with water example sodium, calcium, potassium

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CLASS 5 : OXIDIZING AGENTS AND ORGANIC PEROXIDES



- 5.1 Oxidising agents other than organic peroxides
example calcium hypochlorite, ammonium nitrate , hydrogen peroxide.



- 5.2 Organic peroxides ,either in liquid or solid form
example benzoyl peroxides, cumene hydroperoxide.

CLASS 6 : POISONOUS TOXIC AND INFECTIOUS SUBSTANCE



- 6.1 Poisonous substances which are liable to cause death or serious injury to human health if inhaled, swallowed or by skin absorption
example potassium cyanide, mercuric chloride, hydrofluoric acid.



- 6.2 Biohazardous substances example virus cultures, pathology specimens, used intravenous needles.

CLASS 7 : RADIOACTIVE SUBSTANCES



- 7 Radioactive substances comprise substances or a combination of substances which emit ionizing radiation example uranium, plutonium.



- 8.1 Acids example sulfuric acid, hydrochloric acid .



- 8.2 Alkalis example potassium hydroxide sodium hydroxide.

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CLASS 9 : MISCELLANEOUS DANGEROUS SUBSTANCES



- 9 Hazardous substances that do not fall into the other categories example asbestos, air-bag inflators, self inflating life rafts, dry ice.