










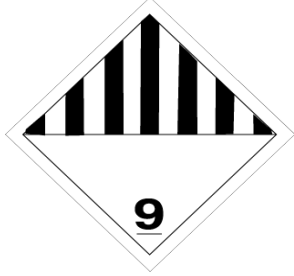
9 CLASSES OF DANGEROUS GOODS AND SUBSTANCES (In accordance with SANS {SABS} 10232-1)

Class and Description	Warning Diamond	Sub Class	Description of substance	Hazard Warning & Example of Properties
1. Explosives			Explosive	The gas is produced at such a temperature and pressure and at such a speed that damage is caused to the surroundings. The gas contains both fuel and oxidants and so function independently of their surroundings
2. Gases		2.1	Flammable Gas	Easily catch fire when exposed to spark or flame. E.g. Dissolved Acetylene, Butane, Dimethyl ether, Hydrogen, LP gas, Methane, Methane, Propane, Propylene, Tetrafluoroethylene, Vinyl Chloride.
		2.2	Compressed Gas Non Flammable Non toxic	Asphyxiant or can support combustion E.g. Carbon dioxide, Compressed Helium, Compressed Oxygen, Sulphur Hexafluoride.
		2.3	Gas Toxic By Inhalation	Poisonous or corrosive are extremely dangerous. E.g. Chlorine, Anhydrous Ammonia, Carbon Monoxide, Hydrogen Sulphide, Hydrogen Chloride, Methyl Bromide, Phosgene, Sulphur Dioxide.
3. Flammable Liquids			Flammable Liquid	Liquid is combustible and the fumes may also be toxic. If the liquid comes into contact with the eye, skin, is ingested or inhaled may be toxic. E.g. Diethyl Ether, Petrol, Kerosene, Diesel or Cabolic Acid

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4. Flammable Solids		4.1	Flammable Solid	Toxic gases are release when substance is heated, on fire or wet. E.g. Dry cottons, matches, hay and straw.
		4.2	Spontaneous Combustion	Extremely flammable, could ignite by itself if exposed to area. E.g. Wet cotton, carbon, oil/seed cake sodium sulphide.
		4.3	Dangerous When Wet	Could ignite after fire is extinguished. E.g. Alkali metals, Aluminium powder, potassium metal alloys.
5. Oxidising Agents		5.1	Oxidising Substance	Increases the fire rish of flammable substances. Poisonois or corrosive gases may be released. Risk of eye damage. E.g. Calcium hypochlorite, Lead nitrate, Lead dioxide.
		5.2	Organic Peroxide	Could be ignited by heat, sparks or flame. E.g. Acetyl benzoyl peroxide

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6. Toxic and Infectious Substances		6.1	Toxic Substances	Must be kept away from food, and can be dangerous for long periods of time. E.g. Arsenic, Cyanides, some pesticides
		6.2	Infectious Substances	Inhalation or contact could cause infection, disease or death. E.g. Samples of test hospital waste, vaccines etc UN2814, UN 2900.
7. Radioactive Material			Radioactive Material	Exposure causes damage to living tissue. E.g. Electronic equipment, X-ray machines, Radium, Cobolt, Uranium.
8. Corrosive Substances			Corrosive Substances	Leaks damage road surfaces. Materials eat into the skin. E.g. Chlorides, Mercury, Sodium Hydroxide, Sulphuric Acid.
9. Miscellaneous Dangerous Substances			Miscellaneous Dangerous Substances	Substances low to moderate hazard. E.g. Airbag inflators, Asbestos, Lithium batteries.