



CHEMICAL SAFETY CHECKLIST

- ✔ Provide workers easy access to Safety Data Sheets (SDS).
- ✔ Familiarise with the storage requirement of each type of chemicals.
- ✔ Know the hazards, including violent reactions between chemicals.
- ✔ Ensure container area is well ventilated while opening containers with care.
- ✔ Dispose chemicals in appropriate manner (Environmental friendly) according to recommended best practices.
- ✔ Take necessary caution when using hazardous chemicals. Use Personal Protective Equipment (PPE) that reduce risk of inhalation, ingestion or contact with skin, eyes and clothing.
- ✔ Never eat, drink or smoke while handling chemicals.
- ✔ Always seal containers containing chemicals tightly after use.
- ✔ Ensure availability of spill kits and fire extinguishers in your workplace/premise.
- ✔ Ensure the emergency eye wash and emergency shower is functional and regularly tested.



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Safety, Health and Environment
National Authority

SAFE HANDLING OF HAZARDOUS CHEMICALS AT WORKPLACE

IN CASE OF EMERGENCY, CALL:



AMBULANCE

991



POLICE

993



FIRE AND RESCUE

995



A chemical can be any pure substance (an element) or a mixture (such as paints), and it can be in the form of solid, liquid or gas. Hazardous chemicals is a material that has physical or chemical characteristics for potentially causing harm to workers or other people.

GHS HAZARD PICTOGRAMS



- EXPLOSIVES**
May explode if exposed to fire, heat, shock or friction.
- EXCLAMATION MARK**
May cause irritation (redness, rash) or less serious toxicity. Can cause acute toxicity if ingested or inhaled.
- COMPRESSED GAS**
Contains gas under pressure (Gas released may be very cold).
- FLAMMABLE**
Flammable if exposed to ignition sources, sparks or heat.
- ACUTE TOXICITY (SEVERE)**
Toxic material which may cause life threatening effects even in small amounts and short term exposure.
- OXIDISING**
Creates oxygen which will intensify fire combustible materials.
- CORROSIVES**
Corrosive material which may cause skin burns and permanent eye damage.
- SERIOUS HEALTH HAZARD**
May cause serious and prolonged health effects on short or long term exposure.
- HAZARDOUS TO THE ENVIRONMENT**
Toxic to aquatic organisms and may cause long lasting effects to ecosystems.



Source: UNITED NATIONS, 2017

WHAT ARE THE UNDESIRABLE EFFECTS OF HAZARDOUS CHEMICAL?

- Harm you and others**
- Contact skin allergies and asthma**
- Skin burns and eye damage**
- Impact to the environment through air, soil and water**

HOW DO YOU MITIGATE THE RISK OF CHEMICAL HAZARDS?

- Keep storage in a secure area accessible by authorised persons only
- Keep chemicals in their original container
- Read the labels and follow the instructions
- Use PPE as required
- Plan ahead for accidental spills
- Appropriate distance to be established between each chemical to another
- Ensure safe stacking of chemicals

- Do not inhale including through oral contact
- Avoid contact with skin and eyes
- Do not leave chemicals unattended
- Do not mix chemical products

HAZARDOUS MATERIAL SPILL

- Isolate the source of spill safely and maintain good ventilation in the area.
- Notify company's Emergency Response Team and report to Supervisor.
- Provide first aid to the injured person.
- If you are trained, proceed to contain the spill with spill kits.
- If the emergency situation could not be contained, seek further assistance by calling emergency lines at 991 and/or 995.
- If the chemical spill is known to be toxic that is very harmful to human, evacuate from the site to a safe and ventilated location. Seek medical attention.

