

MATERIAL SAFETY DATA SHEET

Health, Safety and Environment Data

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IDENTIFICATION

Hazardous according to criteria of Worksafe Australia

Product Name: ACETONE
Other Names:
Chemical Name: 2-Propanone
U.N. Number: 1090
Dangerous Goods Class: 3
Packaging Group: II
Hazchem Code: 2[Y]E
Poisons Schedule: 5

Use: Product is for use as a solvent.

Physical Data

Appearance: Clear colourless liquid.
Odour: Strong fragrant odour.
Flammability: Product is flammable, LEL 2.6%, UEL 12.8%
Specific Gravity: 0.86
Boiling Point: 56 C
Flash Point: -17deg C
Vapour pressure: 25 kPa @ 20 C
Percentage Volatiles: 100%
Solubility in water: Miscible

Contents

Acetone

HEALTH HAZARD INFORMATION

Health Effects

Swallowed: May cause irritation to mouth, throat and digestive tract. Large dose may cause drowsiness and may lead to unconsciousness.

Eye: Irritant. May cause corneal damage.

Skin: May cause mild irritation. Prolonged contact may cause dermatitis.

Inhalation: Vapour is irritant to mucous membranes and respiratory tract. Vapours can affect the central nervous system and result in headaches and dizziness. High concentrations of vapours, if exposure is prolonged, may cause unconsciousness. Aspiration of liquid into the lungs can cause serious (even fatal) pneumonitis.

First Aid

Inhalation: Remove victim from exposure to fresh air. Remove contaminated clothing and loosen remaining clothing. Make patient comfortable and keep warm. Seek medical advice.

Eye: Hold eyes open, flood with water for at least 15 minutes and seek medical attention.

Skin: Remove contaminated clothing and wash skin thoroughly with water. If irritation persists seek medical attention.

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF. Seek medical attention immediately.

PRECAUTIONS FOR USE

Ventilation

Use only with adequate ventilation. Avoid breathing vapour. Ensure ventilation is adequate to maintain air concentrations below exposure standards.

Personal Protection

Avoid eye and skin contact. Wear chemical goggles, or face shield. Wear chemical resistant gloves. Wear supplied air-breathing apparatus in confined areas. Wear protective clothing as necessary to avoid skin contact.

Flammability

Product is flammable. Avoid heat and sources of ignition. Prevent build up of flammable vapours. Hoses should be electrically continuous and containers bonded to avoid static charge build-up.

SAFE HANDLING INFORMATION

Fire & Explosion Hazard

Flammable liquid. Combustion products include oxides of carbon. Use water sprays to cool fire exposed surfaces and any adjacent storage vessels. Shut off source of product if safe to do so. Remove sources of re-ignition. Use alcohol foam, CO₂, powder or BCF fire extinguishers.

Spill and Leak Procedure

Evacuate area. Extinguish any source of flame. Wear protective gloves, goggles and respiratory mask or work up wind of spill. Dike and absorb with earth, sawdust, or sand and fill into mild steel drums. Clearly label drums of contaminated material. Prevent liquid from entering drains, sewers, rivers etc. Advise authorities.

Storage and Transport

Store as provided for the appropriate State Regulations relating to storage and handling of dangerous goods. Store in a cool well ventilated area away from heat and ignition sources. Containers should always be kept closed in storage and properly labelled. Avoid contact with oxidizing agents and mineral acids. Many plastics may be unsuitable as storage and handling materials.

Keep containers tightly closed when not in use.

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