

MATERIAL SAFETY DATASHEET

ACETONE

1. IDENTIFICATION OF CHEMICAL

Chemical name : ACETONE

CAS Number : 67-64-1

EINECS Number : 200-662-2

Synonyms : Propane

2. COMPOSITION

Composition : Approximately 100% Acetone

3. HAZARD IDENTIFICATION

Main Hazards : Highly Flammable

4. FIRE FIGHTING MEASURES

Exposure Hazard : Wear self - contained breathing apparatus, keep containers cool by spraying with water if exposed to fire

Suitable Extinguisher : Extinguish with carbon dioxide, dry chemical power, foam or water spray. Do not use water jet

5. FIRST AID MEASURES

Skin Contact : In the case of skin contact flood the splashed area with large quantities of running water.

Eye Contact : If the substance has entered the eyes, wash out with water or saline solution for at least 15 minutes

Ingestion : If the chemical has been confined to the mouth give large quantities of water as a mouthwash. Ensure that the mouthwash is not swallowed. If the chemical has been swallowed, give about 250ml of water to dilute it in the stomach. Obtain medical attention.

Inhalation : Remove the victim out of the danger area first ensuring your own safety. Loosen patients clothing. If the casualty is unconscious place in the recovery position & monitor breathing. Apply artificial respiration only if the patient is not breathing. Seek medical attention when anyone has symptoms apparently due to ingestion or inhalation

6. ACCIDENTAL RELEASE MEASURES

Personal Protection : For small quantities wear gloves & face shield

Leaks & spills : Wash the spillage with large amounts of water

Clean-up procedures : Sweep up the spilled substance but avoid making dust. Transfer to a closable salvage container for disposal by an appropriate method or retain for recovery.

7. HANDLING & STORAGE

Handling Requirements : Store in a cool dry well ventilated area well away from heat or other sources of ignition. Keep away from acids & oxidising agents.

Storage Precautions : Wear eye protection, gloves & protective clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection : For small quantities wear gloves & face shield

Exposure Limits : 750ppm -- TWA ; 1500ppm --15 min

Type : Oral - RAT LD50

Toxicity : 9750 mg / kg

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance & Odour : Clear Liquid, with a pungent odour

Chemical Formula : CH₃ COCH₃

Solubility : Miscible with water. Miscible with alcohol, chloroform & diethyl ether

Boiling Point / Range 'C : 56.3

Melting Point / Range 'C : -95

Oxidising : N/A

Explosive Limits : lower : 2.5

Upper : 12.8

Flash point 'C : -18

Part coefficient : N/A

Flammability : N/A

Autoflammability ' C : 515

Vapour pressure : 185mm 20'C

Relative Density : 0.79

pH : N/A

10. STABILITY & REACTIVITY

Stability : Stable.

Avoid Contact With : Vigorously oxidised by strong oxidising agents eg, bromide, nitric acid & hydrogen peroxide

11. TOXICOLOGICAL INFORMATION

Health Effects :

Skin : Irritating to skin. Prolonged contact may cause dermatitis. Harmful if absorbed through the skin

Eyes : Irritating to eyes

Inhalation : Harmful if inhaled. The vapour may have a narcotic effect & in high concentrations induces unconsciousness. Vapour is irritating to mucous membranes & the upper respiratory tract

Ingestion : Harmful if swallowed. Ingestion of large amounts may cause gastro-intestinal disturbances & central nervous system depression leading to unconsciousness. May cause liver damage

12. ECOLOGICAL EFFECTS

Ecotoxicity : Insignificant toxic hazard to aquatic organisms & fish. Slightly toxic to mammalian wildlife

Persistence : Very readily Biodegradable. Does not bio accumulate.

13. DISPOSAL OPERATIONS

Waste Disposal : Small volumes may be allowed to evaporate in a safe open area. Larger volumes may be burnt in a chemical incinerator equipped with afterburner & scrubber. Where there is no incinerator or safe evaporation site available transfer to a waste solvent drum for collection by a specialist disposal company.

14. TRANSPORT INFORMATION

IMDG Code

UN no: 1090

Packing Group : II

Class : 3

15. REGULATORY INFORMATION

Classification : Highly Flammable. Harmful.

Risk Phrases : R11 ; Highly Flammable

Safety Phrases : S2 ; Keep out of reach of children

S9 ; Keep container in a well ventilated place

S16 ; Keep away from sources of ignition - no smoking

S25 ; Avoid contact with eyes

S33 ; Take precautionary measures against Static discharges

16. ADDITIONAL INFORMATION

Legal Disclaimer : The above information is believed to be correct but does not purport to be all-inclusive & shall only be used as a guide. Paints4u.com Ltd shall not be held liable for any damage resulting from handling or from the contact of the above product.

For further information on any of our products please don't hesitate to contact us:

www.paints4u.com

sales@paints4u.com

01724 854916