

1,1,1,2-TETRACHLOROETHANE

1486
April 2004

CAS No: 630-20-6
RTECS No: K18450000
UN No: 1702

$C_2H_2Cl_4$ / Cl_3CCH_2Cl
Molecular mass: 167.8

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible under specific conditions. Gives off irritating or toxic fumes (or gases) in a fire.	NO contact with hot surfaces. NO open flames.	In case of fire in the surroundings: powder, water spray, foam, carbon dioxide.
EXPLOSION			In case of fire: keep drums, etc., cool by spraying with water.

EXPOSURE			
Inhalation	Headache. Nausea. Shortness of breath. Vomiting.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest.
Skin	Redness. Burning sensation. Pain.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness. Pain.	Safety goggles, or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Burning sensation. Headache. Nausea.	Do not eat, drink, or smoke during work.	Do NOT induce vomiting. Refer for medical attention. Give plenty of water to drink.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Collect leaking liquid in covered containers. Absorb remaining liquid in dry sand or inert absorbent and remove to safe place. Personal protection: filter respirator for organic gases and vapours. Do NOT let this chemical enter the environment.	UN Hazard Class: 6.1 UN Pack Group: II Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-61GT1-II	Separated from strong oxidants, strong bases. Well closed.

IMPORTANT DATA**Physical State; Appearance**

YELLOW TO RED LIQUID.

Chemical dangers

The substance decomposes on heating producing toxic and corrosive gases including hydrogen chloride. Reacts with strong bases and strong oxidants.

Occupational exposure limits

TLV not established.

MAK not established.

Routes of exposure

The substance can be absorbed into the body by ingestion and by inhalation.

Inhalation risk

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20/C.

Effects of short-term exposure

The substance is irritating to the eyes and the skin. The substance may cause effects on the central nervous system.

PHYSICAL PROPERTIES

Boiling point: 130.5/C

Melting point: -70.2/C

Relative density (water = 1): 1.54

Solubility in water, g/100 ml at 25/C: 0.11

Vapour pressure, kPa at 25/C: 1.9

Octanol/water partition coefficient as log Pow: 2.66

ENVIRONMENTAL DATA

The substance is harmful to aquatic organisms.

NOTES

See ICSC 0332 1,1,2,2,-Tetrachloroethane.

ADDITIONAL INFORMATION**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible