

1,2,4,5-TETRACHLOROBENZENE

0676

November 2003

CAS No: 95-94-3
RTECS No: DB9450000

Benzene tetrachloride
s-Tetrachlorobenzene
 $C_6H_2Cl_4$
Molecular mass: 215.9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Powder, carbon dioxide.
EXPLOSION	Risk of fire and explosion on contact with oxidants.		

EXPOSURE			
Inhalation	Cough.	Local exhaust.	Fresh air, rest. Refer for medical attention.
Skin		Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes		Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Do NOT let this chemical enter the environment. (Extra personal protection: P2 filter respirator for harmful particles.)	

EMERGENCY RESPONSE	STORAGE
NFPA Code: H 1; F 1; R 0	Separated from strong oxidants.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS CRYSTALS

Chemical dangers

The substance decomposes on burning producing toxic and corrosive fumes including hydrogen chloride. Reacts with strong oxidants.

Occupational exposure limits

TLV not established.

Routes of exposure

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

Inhalation risk

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly on spraying or when dispersed, especially if powdered.

Effects of long-term or repeated exposure

The substance may have effects on the liver, resulting in liver impairment.

PHYSICAL PROPERTIES

Boiling point: 243-246°C

Melting point: 139-140°C

 Density: 1.83 g/cm³

Solubility in water: 2.16 mg/l at 25 °C

Vapour pressure, Pa at 25°C: 0.7

Relative vapour density (air = 1): 7.4

Flash point: 155°C c.c.

Octanol/water partition coefficient as log Pow: 4.9

ENVIRONMENTAL DATA

The substance is very toxic to aquatic organisms. Bioaccumulation of this chemical may occur in fish.

NOTES

Health effects of exposure to the substance have not been investigated adequately.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information