

2,4,6-TRICHLOROPHENOL

1122

November 1998

CAS No: 88-06-2
RTECS No: SN1575000
UN No: 2020
EC No: 604-018-00-5

2,4,6-TCP
 $C_6H_3Cl_3O$ / $C_6H_2Cl_3OH$
Molecular mass: 197.45

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION			

EXPOSURE		AVOID ALL CONTACT!	IN ALL CASES CONSULT A DOCTOR!
Inhalation	Cough. Sore throat.	Ventilation (not if powder), local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	Redness.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
Eyes	Redness. Pain.	Safety goggles, or face shield.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Convulsions. Diarrhoea. Dizziness. Headache. Shortness of breath. Vomiting. Weakness. Ataxia.	Do not eat, drink, or smoke during work.	Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment (extra personal protection: P2 filter respirator for harmful particles).	Xn Symbol N Symbol R: 22-36/38-40-50/53 S: (2-)36/37-60-61 UN Hazard Class: 6.1 UN Pack Group: III Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-804/61G12c	Separated from strong oxidants, and food and feedstuffs. Well closed.

IMPORTANT DATA**Physical State; Appearance**

COLOURLESS TO YELLOW CRYSTALS, WITH CHARACTERISTIC ODOUR.

Chemical Dangers

The substance decomposes on heating producing toxic and corrosive fumes including hydrogen chloride and chlorine fumes. 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 vapour, through the skin and by ingestion.

Inhalation Risk

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed.

Effects of Short-term Exposure

The substance irritates the eyes, the skin and the respiratory tract.

Effects of Long-term or Repeated Exposure

Repeated or prolonged contact with skin may cause dermatitis including chloracne. The substance may have effects on the liver, resulting in impaired functions. This substance is possibly carcinogenic to humans.

PHYSICAL PROPERTIES

Boiling point: 246°C
Melting point: 69°C
Density: 1.5 g/cm³ at 58°C
Solubility in water: none

Vapour pressure, Pa at 76.5°C: 133
Flash point: 99°C c.c.
Octanol/water partition coefficient as log Pow: 3.87

ENVIRONMENTAL DATA

The substance is very toxic to aquatic organisms. In the food chain important to humans, bioaccumulation takes place, specifically in fish.

NOTES

Technical grade of this substance may include the polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans and other contaminants. Dowicide 2S, Omal are trade names.

ADDITIONAL INFORMATION**LEGAL NOTICE**

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