

TEREPHTHALOYL DICHLORIDE 11S0000 TEREPHTHALOYL DICHLORIDE0331

June 2006

CAS No: 100-20-9

RTECS No: WZ1797000

EC No: 202-829-5

1,4-benzenedicarbonyl dichloride
terephthalyl dichloride
p-phenylenedicarbonyl dichloride
terephthalic acid dichloride
 $C_8H_4Cl_2O_2$
Molecular mass: 203.0

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.	Dry sand. Powder, carbon dioxide. NO hydrous agents.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough. Sore throat. Burning sensation. Laboured breathing. Shortness of breath. Symptoms may be delayed (see Notes).	Local exhaust or breathing protection.	Fresh air, rest. Half-upright position. Refer for medical attention.
Skin	Redness. Pain. skin burns.	Protective clothing. Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Eyes	Redness. Pain. Blurred vision. Severe deep burns.	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	Abdominal pain. Nausea. Vomiting. Diarrhoea. Shock or collapse.	Do not eat, drink, or smoke during work.	Rinse mouth. Give one or two glasses of water to drink. Do NOT induce vomiting. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Personal protection: P3 filter respirator for toxic particles. Chemical protection suit. Sweep spilled substance into covered plastic containers. Carefully collect remainder, then remove to safe place.	GHS classification Signal: Danger Corr May be harmful if swallowed Causes severe skin burns and eye damage

EMERGENCY RESPONSE	SAFE STORAGE
NFPA Code: H3; F1; R; 0	Separated from strong oxidants. Dry. Well closed. Do not store in metal containers.

0331

TEREPHTHALOYL DICHLORIDE 11S00000 TEREPHTHALOYL DICHLORIDE

IMPORTANT DATA**Physical State; Appearance**

WHITE POWDER OR COLOURLESS NEEDLES, WITH PUNGENT ODOUR.

Physical dangers

Dust explosion possible if in powder or granular form, mixed with air.

Chemical dangers

The substance decomposes on heating producing toxic and corrosive fumes. Reacts with strong oxidants. Reacts with water to produce hydrogen chloride (see ICSC0163) Attacks many metals in the presence of water.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

Serious local effects by all routes of exposure.

Inhalation risk

A harmful concentration of airborne particles can be reached quickly when dispersed

Effects of short-term exposure

The substance is corrosive to the eyes, the skin, and the respiratory tract. Corrosive on ingestion. Exposure may result in asphyxiation due to swelling in the throat. Inhalation of this substance may cause lung oedema (see Notes).

PHYSICAL PROPERTIES

Boiling point: 264/C

Melting point: 79.5- 84/C

Density: 1.32 g/cm³

Solubility in water: reaction

Vapour pressure, Pa at 20/C: 320

Flash point: 180/C

Octanol/water partition coefficient as log Pow: 0.88 (calculated)

ENVIRONMENTAL DATA**NOTES**

The symptoms of lung oedema often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation is therefore essential.

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