

# TETRACHLOROPHTHALIC ANHYDRIDE

1374

March 2001

CAS No: 117-08-8  
 RTECS No: TI3450000  
 EC No: 607-242-00-1

4,5,6,7-Tetrachloro-1,3-isobenzofurandione  
 1,3-Dioxy-4,5,6,7-tetrachloroisobenzofuran  
 $C_8Cl_4O_3 / C_6Cl_4(CO)_2O$   
 Molecular mass: 285.9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Water spray, powder.
<b>EXPLOSION</b>			

EXPOSURE		PREVENT DISPERSION OF DUST!	
<b>Inhalation</b>	Cough. Sore throat. Wheezing. Shortness of breath.	Local exhaust or breathing protection.	Fresh air, rest. Half-upright position. Refer for medical attention.
<b>Skin</b>	Redness. Burning sensation.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
<b>Eyes</b>	Redness. Pain. Blurred vision.	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.
<b>Ingestion</b>	Burning sensation.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Do NOT induce vomiting.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into 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: 41-42/43-50/53 S: (2-)22-24-26-37/39-60-61

EMERGENCY RESPONSE	STORAGE
	Dry. Well closed.

## IMPORTANT DATA

**Physical State; Appearance**

WHITE POWDER

**Chemical dangers**

Reacts slowly with water to produce acid.

**Occupational exposure limits**

TLV not established.

**Routes of exposure**

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

**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 is irritating to the eyes, the skin and the respiratory tract.

**Effects of long-term or repeated exposure**

Repeated or prolonged contact may cause skin sensitization. Repeated or prolonged inhalation exposure may cause asthma.

## PHYSICAL PROPERTIES

Boiling point: 371°C  
Melting point: 255°CSolubility in water, g/100 ml at 20°C: 0.4  
Flash point: 362°C c.c.

## ENVIRONMENTAL DATA

## NOTES

The symptoms of asthma often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation are therefore essential. Anyone who has shown symptoms of asthma due to this substance should avoid all further contact with this substance.

## ADDITIONAL INFORMATION

## LEGAL NOTICE

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