

XYLENOL (MIXED ISOMERS)**0601**

October 2000

CAS No: 1300-71-6
RTECS No: ZE5425000
UN No: 2261
EC No: 604-006-00-X

Dimethylphenol
Hydroxydimethylbenzene
 $C_8H_{10}O / (CH_3)_2C_6H_3OH$
Molecular mass: 122.2

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, alcohol-resistant foam, water spray, carbon dioxide.
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! PREVENT GENERATION OF MISTS!	
Inhalation	Cough. Dizziness. Headache.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	MAY BE ABSORBED! Burning sensation. Redness. Skin burns.	Protective gloves. Protective clothing.	Rinse and then wash skin with water and soap. Refer for medical attention.
Eyes	Redness. Pain. Severe deep burns.	Safety goggles, face shield, 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. Abdominal pain. Nausea. Vomiting. Diarrhoea. Dizziness. Headache. Shock or collapse.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rest. Do NOT induce vomiting. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Remove all ignition sources. Collect leaking liquid in sealable containers. Sweep spilled substance into sealable containers. Do NOT let this chemical enter the environment. (Extra personal protection: chemical protection suit including self-contained breathing apparatus).	T Symbol N Symbol R: 24/25-34-51/53 S: (1/2-)26-36/37/39-45-61 Note: C UN Hazard Class: 6.1 UN Pack Group: II Do not transport with food and feedstuffs. Marine pollutant.

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-672	Separated from food and feedstuffs, acid anhydrides, acid chlorides, bases, and oxidants.

IMPORTANT DATA

Physical State; Appearance

WHITE TO YELLOW LIQUID OR CRYSTALS, WITH CHARACTERISTIC ODOUR.

Physical dangers

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

Chemical dangers

Reacts with acid anhydrides, acid chlorides, bases, and oxidants.

Occupational exposure limits

TLV not established.

Routes of exposure

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

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 corrosive to the eyes and the skin. Corrosive on ingestion. The substance irritates the respiratory tract. See Notes.

Effects of long-term or repeated exposure

See Notes.

PHYSICAL PROPERTIES

Boiling point: 203-225°C

Melting point: 25-75°C

Density: 1.02-1.13 g/cm³

Solubility in water, g/100 ml at 25°C: 4-8

Vapour pressure, Pa at °C: 0.5-37

Relative vapour density (air = 1): 4.2

Flash point: 61-95°C c.c.

Auto-ignition temperature: 599°C

Explosive limits, vol% in air: 1.4-?

Octanol/water partition coefficient as log Pow: 2.23-2.36

ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms.

NOTES

Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.

Health effects may be similar to those of phenol and related compounds.

Also consult ICSC #0070 (Phenol).

The recommendations on this Card also apply to 3,4-xylene (CAS 95-65-8), 2,5-xylene (CAS 95-87-4), 2,4-xylene (CAS 105-67-9), 2,3-xylene (CAS 526-75-0), and 2,6-xylene (CAS 576-26-1).

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