

CAS No: 108-68-9  
RTECS No: ZE6475000  
UN No: 2261  
EC No: 604-037-00-9

3,5-Dimethylphenol  
1-Hydroxy-3,5-dimethylbenzene  
 $C_8H_{10}O$  /  $3,5-(CH_3)_2C_6H_3OH$   
Molecular mass: 122.2

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible.	NO open flames.	Powder, alcohol-resistant foam, water spray, carbon dioxide.
<b>EXPLOSION</b>	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!	
<b>Inhalation</b>	Cough. Dizziness. Headache.	Local exhaust or breathing protection.	Fresh air, rest. Half-upright position. Artificial respiration if indicated. Refer for medical attention.
<b>Skin</b>	MAY BE ABSORBED! Burning sensation. Skin burns.	Protective gloves. Protective clothing.	Wear protective gloves when administering first aid. Rinse and then wash skin with water and soap. Refer for medical attention.
<b>Eyes</b>	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.
<b>Ingestion</b>	Burning sensation. Abdominal pain. Nausea. Vomiting. Diarrhoea. Dizziness. Headache. Shock or collapse.	Do not eat, drink, or smoke during work.	Rest. Do NOT induce vomiting. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
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 R: 24/25-34 S: (1/2)-26-28-36/37/39-45 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 acid anhydrides, acid chlorides, bases, and oxidants.

### IMPORTANT DATA

**Physical State; Appearance**

WHITE TO YELLOW 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. The substance irritates the respiratory tract. Corrosive on ingestion. See Notes.

### PHYSICAL PROPERTIES

Boiling point: 219°C

Melting point: 64°C

Density: 0.97 g/cm<sup>3</sup>

Solubility in water, g/100 ml at 25°C: 0.5

Vapour pressure, Pa at 25°C: 5

Relative vapour density (air = 1): 4.2

Flash point: 80°C c.c.

Explosive limits, vol% in air: 1.4-?

Octanol/water partition coefficient as log Pow: 2.35

### ENVIRONMENTAL DATA

The substance is harmful to aquatic organisms.

### NOTES

Also consult ICSC #0601 (Xylenol), 0070 (Phenol).

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.

### 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