



MATERIAL SAFETY DATA SHEETS

439

o-Cresol

1. CHEMICAL IDENTITY

Chemical Name : o-Cresol

Chemical Classification: Toxic

Trade Name :

Synonyms: 2-Hydroxy-1-methylbenzene, 2-Methylphenol, o-Hydroxytoluene, o-Toluol

Formula : C₇H₈O

CAS No: 95-48-7

UN No: 2076

Regulated Identification

Shipping Name :

Hazchem Code : 2X

Codes / Label : Class 6.1, Toxic

Hazardous Waste ID No :

HAZARDOUS INGREDIENTS	C.A.S. No.	HAZARDOUS INGREDIENTS	C.A.S. No.
1 o-Cresol	95-48-7	3	
2		4	

2. PHYSICAL / CHEMICAL DATA

Boiling Pt. °C: 191-192

Physical State: Liquid.

Appearance: White to pale yellow liquid.

Melting Pt °C: 30

Vapour Pressure @ 35°C mmHg: 0.299 mm Hg at 25 deg C

Odour: Phenolic odour.

Vapour Density(Air =1): 3.72

Solubility in water at 30°C g/100ml: 2.59X10+4 mg/L at 25 deg C

Others: Miscible with ethanol, chloroform and ether. Soluble in solution of the fixed alkali hydroxides.

Specific Gravity (Water =1): 1.047 at 20 deg C/4 deg C

pH :

3. FIRE / EXPLOSION HAZARD DATA

Flammability : Yes

LEL: 1.4

Flash Point °C in OC:

TDG Flammability:

UEL: 7.6

Flash Point °C in CC: 81

Autoignition Temperature °C : 599

Explosion sensitivity to impact:

Explosion sensitivity to static Electricity:

Hazardous Combustion Products : Flammable toxic vapors given off in fire.

Hazardous Polymerization :

Combustible Liquid:

Explosive Material:

Corrosive Material

Flammable Material:

Oxidiser :

Others:

Pyrophoric Material:

Organic Peroxide :

4. REACTIVITY DATA

Chemical Stability : Stable under normal temperatures and pressures.

Incompatibility with other material : Strong oxidizing agents, strong acids, bases, alliphatic amines, chlorosulfonic acid, oleum.

Reactivity :

Hazardous : Carbon monoxide, carbon dioxide.

Reaction Products

5. HEALTH HAZARD DATA

Routes of entry: Inhalation, skin, eyes, ingestion

Effects of Exposure / Symptoms:

Inhalation: May be fatal if inhaled. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. May cause headache. May cause nausea and possible vomiting. Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause liver and kidney damage. Cresols may cause abnormalities of the central nervous system, respiratory system, spleen and pancreas. Skin : May be absorbed through the skin in harmful amounts. Causes severe skin irritation and burns. Eye: May result in corneal injury. Causes eye irritation and burns. May cause conjunctivitis and keratitis.

Emergency Treatment :

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen.

Skin: Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes.

Eyes: Get medical aid immediately. Do Not allow victim to rub or keep eyes closed. Extensive irrigation is required (at least 30 minutes).

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid immediately. Do Not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water.

LD50 (oral-rat) mg/kg: 1.35 g/kg	STEL:
LC50 (rat) mg/kg: 179 mg/cu m/2 hr	Odour Threshold: 5 ppm 1.4 mg/L
Permissible Exposure Limit:	TLV (ACGIH) :

NFPA Hazard	Health	Flammability	Reactivity	Special
Signals	3	2	0	

6. PREVENTIVE MEASURES

Personal Protective Equipment : Eyes: Wear appropriate protective eyeglasses or chemical safety goggles. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

Handling : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Ground and bond containers when transferring material. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not ingest or inhale. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage : Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Corrosives area.

Precautions : Contact lenses should not be worn when working with this chemical. Work clothing that becomes wet or significantly contaminated should be removed and replaced.

7. EMERGENCY / FIRST AID MEASURES

FIRE:**Fire Extinguishing Media :****Special Procedure :****Unusual Hazards :****EXPOSURE: First Aid Measures:****Inhalation:** Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen.**Skin:** Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes.**Eyes:** Get medical aid immediately. Do Not allow victim to rub or keep eyes closed. Extensive irrigation is required (at least 30 minutes).**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid immediately. Do Not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water.**Antidotes / Dosages:****SPILLS :****Steps To Be Taken** : Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container.**Waste Disposal Method:****8. ADDITIONAL INFORMATION / REFERENCES****9. MANUFACTURERS / SUPPLIERS DATA****NAME OF FIRM :****Contact person****MAILING ADDRESS :****in Emergency :****TELEPHONE / TELEX NOS :****Local Bodies involved :****TELEGRAPHIC ADDRESS :****Standard Packing :****OTHERS :****Trem Card Details / Ref :****10. DISCLAIMER**

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