

**MATERIAL SAFETY DATA SHEET**

Product Name: o-Cresol

CAS No.: 95-48-7

Version: 0

**1. Identification**

**Product Code** : 90284  
**Company Name** : Advent Chembio Private Limited  
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**Company Phone Number** : 022-27690837

**2. Composition/Information on Ingredients**

Ingredient	CAS No	Percent
o-CRESOL	95-48-7	90-100%

**3. Hazards Identification**

**Emergency Overview** : Causes burns. Toxic in contact with skin and if Swallowed.  
Hygroscopic (absorbs moisture from the air).Light sensitive.

**Health hazards**

Acute toxicity (Dermal) : Category 3  
Acute toxicity (Oral) : Category 3  
Skin corrosion/irritation : Category 1

**Labels elements****Hazard symbol**

**Signal word** : Danger  
**Hazard statement** : Toxic if swallowed or in contact with skin.  
Causes severe skin burns and eye damage.  
**Potential Health Effects**

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- Inhalation** : Irritation may lead to chemical pneumonitis and pulmonary edema. May cause liver and kidney damage. May cause severe irritation of the upper respiratory tract with pain, burns, and inflammation.
- Ingestion** : Causes severe digestive tract burns with abdominal pain, vomiting, and possible death. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
- Skin Contact** : Causes skin burns. Causes redness and pain. Toxic in contact with skin.
- Eye Contact** : May result in corneal injury. Contact with liquid is corrosive to the eyes and causes severe burns.
- Chronic Exposure** : Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion.

**4. First Aid Measures**

- General information** : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
- Inhalation** : Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.  
Notes to Physician.
- Ingestion** : Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.
- Skin Contact** : Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes
- Eye contact** : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**5. Fire fighting measures**

- General Information** : As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Explosion** : None.
- Fire Extinguishing Media:** : Use water spray, dry chemical, carbon dioxide, or chemical foam.
- Special Information** : In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Vapors can flow along surfaces to distant ignition source and flash back.

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**6. Accidental Release Measures**

- Personal precautions, protective equipment and emergency procedures** : Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Methods and material for containment and cleaning up** : Sweep up and place in a clearly labeled container for chemical waste.  
Clean surface thoroughly to remove residual contamination.
- Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and Storage**

- Precautions for safe handling** : Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

**8. Exposure Controls Personal Protection**

- Control parameters**  
**Occupational exposure limits** : None of the components have assigned exposure limits.  
**Ventilation System** : A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.
- Personal Respirators (NIOSH Approved):** : If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is

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- lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
- Skin Protection** : Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
- Eye Protection** : Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.
- Other** : Wear suitable protective clothing.
- Respiratory protection** : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.
- Hygiene measures** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

**9. Physical and Chemical Properties**

- Appearance** : Almost colorless - light amber solid.
- Odor** : Not available
- pH** : Not available
- Melting point/freezing point** : 32 - 33.5 deg C
- Initial boiling point and boiling range** : 191 deg C @ 760.00mm Hg
- Flash Point** : 81 deg C ( 177.80 deg F)
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.0480g/cm<sup>3</sup>
- Solubility in water** : Soluble in water.
- Solubility (other)** : No data available.
- Formula** : CH<sub>3</sub>C<sub>6</sub>H<sub>4</sub>OH
- Molecular Weight** : 108.14 g/mol

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**10. Stability and Reactivity**

<b>Reactivity</b>	:	No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	:	Stable under normal temperatures and pressures.
<b>Possibility of hazardous reactions</b>	:	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	:	Incompatible materials, light, exposure to moist air or water.
<b>Incompatible materials</b>	:	Strong oxidizing agents, bases, nitric acid, chlorosulfonic acid, oleum.
<b>Hazardous decomposition products</b>	:	Carbon monoxide, carbon dioxide.

**11. Toxicological Information**

RTECS#:	:	CAS# 95-48-7: GO6300000
LD50/LC50	:	CAS# 95-48-7: Draize test, rabbit, eye: 105 mg Severe; Draize test, rabbit, skin: 524 mg/24H Severe; Inhalation, mouse: LC50 = 179mg/m <sup>3</sup> /2H; Inhalation, mouse: LC50 = 179 mg/m <sup>3</sup> ; Inhalation, rat: LC50 = >1220 mg/m <sup>3</sup> /1H; Inhalation, rat: LC50 = 29 mg/m <sup>3</sup> ; Oral, mouse: LD50 = 344 mg/kg; Oral, mouse: LD50 = 344 mg/kg; Oral, rabbit: LD50 = 940 mg/kg; Oral, rat: LD50 = 121 mg/kg; Oral, rat: LD50 = 1350 mg/kg; Skin, rabbit: LD50 = 890 mg/kg; Skin, rabbit: LD50 = 890 mg/kg; Skin, rat: LD50 = 620 mg/kg; Skin, rat: LD50 = 620 mg/kg.

**12. Ecological Information**

<b>Ecotoxicity</b>	:	Water danger/protection: WGK 2 Bluegill sunfish LC50:20-22 mg/l/24-96H Goldfish LC50:49-19 mg/l/24-96H Fathead minnow LC50:13-18 mg/l/24-96H Crucian carp LC50:30 mg/l/24H Tench LC50:15 mg/l/24H [Pickering, Q.H. et al J.Water Pollut. Control Fed. 1966, 38(9), 1419-1429].
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**13. Disposal consideration**

- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	3455	CRESOLS,SOLID	6.1,8	II	No
<b>IMDG</b>	3455	CRESOLS,SOLID	6.1,8	II	No
<b>IATA</b>	3455	CRESOLS,SOLID	6.1,8	II	No

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information**

Issue Date :01/08/2014

Version : 0

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