

Material Safety Data Sheet

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| Product Name | m-Cresol |
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product Identification:****Product Name:** m-Cresol**Synonyms:** 3-Hydroxytoluene; 3-Methylphenol**CAS-No:** 108-39-4**EC-No.:** 203-577-9**Catalog Codes:** 96505, 93505, 98505, 90505, 92505, 97505, 95505**Molecular Formula:** C₇H₈O

REACH Registration No: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006 annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

1.2. Relevant identified uses of the substance or mixture and uses advised against:**Identified Uses:** Pharmaceutical excipient, not for food or other biological use**Details of the supplier of the safety data sheet:**

- Company**
Finar Limited
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta: Sanand, Dist.: Ahmedabad,
Email: info@finarchemicals.com
Web: www.finarchemicals.com
- E-mail Address**
safety@finarchemicals.com;
info@finarchemicals.com

1.3. Emergency Telephone Number:

- For Emergency Contact No: +91 - 2717 - 616 717
- Registered office No: +91 - 79 - 40040085

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 3, Oral, H301

Acute toxicity, Category 3, Dermal, H311

Skin corrosion, Category 1B, H314

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label Elements:

- Hazard Pictograms** :



- Signal Word** : Danger

- Hazard Statements** :

H301 + H311 Toxic if swallowed or in contact with skin

H314 Causes severe skin burns and eye damage.

- Precautionary Statements - Prevention:**

Prevention

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P310 IF exposed or concerned: immediately call a POISON CENTER or doctor/ physician.

- Supplemental Hazard Statement - None**

2.3 Other Hazards: None Known

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: m-Cresol CAS No. – 108-39-4

3.2 Mixtures:

| Component | CAS-No | EC-No. | Molar mass | Weight (%) |
|-----------|----------|-----------|--------------|------------|
| m-Cresol | 108-39-4 | 203-577-9 | 108.14 g/mol | <= 100 % |

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

General information : Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not Available

Inhalation: Move to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required. If not breathing, give artificial respiration.

Serious inhalation: Not Available

Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately.

4.2 Most important symptoms and effects, both acute and delayed:

Breathing difficulties. Causes burns by all exposure routes. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated

4.3 Indication of any immediate medical attention and special treatment needed:

Not Available

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SECTION 5: FIRE FIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use water spray to cool unopened containers. Cool closed containers exposed to fire with water spray.

Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

Combustible material. Corrosive Material. Risk of ignition. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors.

Keep product and empty container away from heat and sources of ignition.

5.3 Special Protective Equipment for firefighters

Stay in danger area only with self-contained breathing apparatus.

Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further Information (Precautions)

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Remove all sources of ignition.

Do not get in eyes, on skin, or on clothing.

Take precautionary measures against static discharges.

6.2 Environmental precautions:

Avoid release to the environment. See Section 12 for additional ecological information.

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up:

Remove all sources of ignition. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

Disposal considerations: see section 13

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Do not ingest.

7.2 Conditions for safe storage, including any incompatibilities:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep away from direct sunlight. Corrosives area.

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Components with workplace control parameters

| Component | ACGIH TLV | OSHA PEL | NIOSH IDLH | Mexico OEL (TWA) |
|-----------|-----------------------------------|----------|--|------------------|
| m-Cresol | TWA: 20 mg/m ³ Skin | --- | IDLH: 250 ppm TWA: 2.3 ppm TWA: 10 mg/m ³ | --- |

8.2 Exposure Controls:

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Use explosion-proof electrical/ventilating/lighting/equipment.

Ensure that eyewash stations and safety showers are close to the workstation location..

Personal Protective Equipment:

Eye/face protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Body Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or

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European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Control of Environmental Exposure: Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state and appearance: Liquid, clear

Odour: Aromatic

Taste: Not Available

Color: Clear

pH (1% soln/Water): 5

Melting Point: 8 - 10 °C / 46.4 - 50 °F

Boiling Point: 203 °C / 397.4 °F @ 760 mmHg

Flash Point: 86 °C / 186.8 °F

Molecular Weight: 108.14 g/mol

Critical Temperature: Not Available

Specific Gravity: 1.030

Vapor Pressure: 0.05 mbar @ 20 °C

Vapor Density: Not Available

Flammability or explosive limits:

Upper : 1.5% (V)

Lower : 1.06% (V)

Solubility: 20 g/l (20°C)

Autoignition Temperature: 558 °C / 1036.4 °F

Viscosity: Not Available

9.2 Other Information:

Not Available

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SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** No data available
- 10.2 Chemical Stability:** Stable under normal conditions. Light sensitive.
- 10.3 Possibility of Hazardous Reactions:** Not Available
- 10.4 Conditions to Avoid:** Incompatible products. Exposure to light. Keep away from open flames, hot surfaces and sources of ignition.
- 10.5 Incompatible Materials:** Acids, Bases, Strong oxidizing agents, Acid anhydrides, Chloroformates
- 10.6 Hazardous Decomposition Products:** Carbon monoxide (CO), Carbon dioxide (CO₂)
- 10.7 Hazardous Polymerization:** Hazardous polymerization does not occur.
- 10.8 Hazardous Reactions:** None under normal processing.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Product Information:

Toxicology data for the components:

| LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-------------------|-----------------------|-------------------------------------|
| 242 mg/kg (Rat) | 2830 mg/kg (Rabbit) | > 710 mg/m ³ (Rat) 1 h |

Toxicologically Synergistic Products: Not Available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation: Causes burns by all exposure routes

Sensitization: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component | CAS-No | IARC | NTP | ACGIH | OSHA | Mexico |
|------------------|---------------|-------------|------------|--------------|-------------|---------------|
| m-Cresol | 108-39-4 | Not listed | Not listed | Not listed | Not listed | Not listed |

Mutagenic Effects: No information available

Reproductive Effects: No information available

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Developmental Effects: No information available

Teratogenicity: No information available

STOT - single exposure: Respiratory system

STOT - repeated exposure: None Known

Aspiration hazard: No information available

Symptoms / effects, both acute and delayed: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Product is a corrosive material.

Use of gastric lavage or emesis is contraindicated.

Possible perforation of stomach or esophagus should be investigated

Endocrine Disruptor Information: No information available

Other Adverse Effects: Tumorigenic effects have been reported in experimental animals.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Toxicity to fish: static test LC50 *Oncorhynchus mykiss* (rainbow trout): 8.6 mg/l; 96 h
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates:

flow-through test EC50 *Daphnia pulex*: > 99.5 mg/l; 48 h

Analytical monitoring: yes

US-EPA

Toxicity to algae: IC5 *Scenedesmus quadricauda* (Green algae): 15 mg/l
(Hommel) (maximum permissible toxic concentration)

Toxicity to bacteria: EC50 *Photobacterium phosphoreum*: 11.8 mg/l; 30 min
(IUCLID)

12.2 Persistence and degradability Persistence:

Biodegradability: Result: 90 % -28d; aerobic
(OECD Test Guideline 301C)

Readily biodegradable

Theoretical oxygen demand (ThOD)

2,520 mg/g

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Biochemical Oxygen Demand (BOD): Ratio BOD/ThBOD/BOD5 68 % (Lit.)

Chemical Oxygen Demand (COD): Not Available

12.3 Bio Accumulative Potential:

Partition coefficient: n-octanol/water log Pow: 1.96

(experimental)

Bioaccumulation is not expected. (IUCLID)

Bioaccumulation

Bioconcentration factor (BCF): 17 - 20

Leuciscus idus (Golden orfe) 0.05 mg/l; 3 d

12.4 Mobility in soil: Not Available

12.5 Results of PBT and vPvB Assessment:

Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006.

12.6 Other Adverse Effects:

Additional ecological information Biological effects:

Biological effects:

Hazard for drinking water supplies.

Change in the flavour characteristics of fish protein.

Discharge into the environment must be avoided.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Methods:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

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SECTION 14: TRANSPORT INFORMATION

| | Land Transport (ADR/RID) | Air Transport (IATA) | Sea Transport (IMDG) |
|--|---------------------------------------|---------------------------------|---------------------------------|
| 14.1 UN number | UN2076 | UN2076 | UN2076 |
| 14.2 Proper shipping name | CRESOLS, LIQUID | CRESOLS, LIQUID | CRESOLS, LIQUID |
| 14.3 Class | 6.1 (8) | 6.1 (8) | 6.1 (8) |
| 14.4 Packing group | II | II | II |
| 14.5 Environmentally hazardous | -- | -- | -- |
| 14.6 Special precautions for user | Yes Tunnel Restriction code D/E | No | yes Ems F-A S-B |

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National legislation

Storage class 6.1A

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

| | |
|--------|--|
| H301 : | Toxic if swallowed. |
| H311 : | Toxic in contact with skin. |
| H314 : | Causes severe skin burns and eye damage. |

Training Advice: Provide adequate information, instruction and training for operators.

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Labelling

Hazard pictograms:



Signal Word: Danger

Hazard statements:

H227 Combustible liquid.

H301 + H311 Toxic if swallowed or in contact with skin

H314 Causes severe skin burns and eye damage.

Precautionary statements Prevention

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P310 IF exposed or concerned: immediately call a POISON CENTER or doctor/ physician.

References: Not available

Created: 26/02/2020

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- **Disclaimer:**

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