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**MATERIAL SAFETY DATA SHEET (MSDS)****M-CRESOL (FOR SYNTHESIS)****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : M-CRESOL (FOR SYNTHESIS)

Product code : SS0114302500

Identification of the product : m-CRESOL98%  
CAS No :109-38-4

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use : Industrial. For professional use only.

**1.3. Details of the supplier of the safety data sheet****Company identification**

SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com

**1.4. Emergency telephone number**

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

**2. Hazards identification -DSD****2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

Classification : T; R24/25  
C; R34

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Health hazards : Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301  
Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311  
Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314

**2.2. Label elements****Labelling EC 67/548 or EC 1999/45**

### MATERIAL SAFETY DATA SHEET (MSDS)

### M-CRESOL (FOR SYNTHESIS)

#### 2. Hazards identification -DSD (continued)

Symbol(s)



Symbol(s)

: T : Toxic

R Phrase(s)

: R24/25 : Toxic in contact with skin and if swallowed.  
R34 : Causes burns.

S Phrase(s)

: S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.  
S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).

#### Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



Signal words

: Danger

Hazard statements

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

Precautionary statements

• Prevention

: P280: Wear protective gloves, protective clothing, eye protection, face protection.  
P260: Do not breathe dust, fume, gas, mist, vapours, spray.  
P264: Wash thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.

• Response

: P302+P352: IF ON SKIN : Wash with plenty of soap and water.  
P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.  
P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.  
P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P363: Wash contaminated clothing before reuse.  
P361: Remove immediately all contaminated clothing.

• Storage

: P405: Store locked up.

• Disposal considerations

: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

Other hazards

: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**M-CRESOL (FOR SYNTHESIS)**
**3. Composition/information on ingredients**

**Substance / Preparation** : m-CRESOL98%  
 CAS No :108-39-4  
 Substance.

Contains no other components or impurities which will influence the classification of the product.

**4. First aid measures**
**4.1. Description of first aid measures**

**Inhalation** : Immediately call a POISON CENTER or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact** : Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Specific treatment (see on this label). Wash contaminated clothing before reuse. Remove/Take off immediately all contaminated clothing.

**Eye contact** : Immediately call a POISON CENTER or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion** : Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms relating to use** : Repeated exposure to this material can result in absorption through skin causing significant health hazard.  
 Causes severe skin burns and eye damage.  
 Swallowing a small quantity of this material will result in serious health hazard.

**4.3. Indication of any immediate medical attention and special treatment needed**

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**5. Fire-fighting measures**
**5.1. Extinguishing media**

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

**5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.  
 Thermal decomposition generates : Corrosive vapours.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**M-CRESOL (FOR SYNTHESIS)**
**5. Fire-fighting measures (continued)**
**5.3. Advice for fire-fighters**

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**6. Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

- For emergency responders** : Equip cleanup crew with proper protection. Ventilate area.
- For non-emergency personnel** : Evacuate unnecessary personnel.

**6.2. Environmental precautions**

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

- Clean up methods** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

- Handling** : Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

**7.2. Conditions for safe storage, including any incompatibilities**

- Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
- Storage regulation** : Comply with applicable regulations.

## MATERIAL SAFETY DATA SHEET (MSDS)

### M-CRESOL (FOR SYNTHESIS)

#### 7. Handling and storage (continued)

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s).

**Specific end use(s)** : None.

#### 8. Exposure controls/personal protection

##### 8.1. Exposure controls

**Personal protection** : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Skin protection** : Wear suitable protective clothing.
- **Eye protection** : Chemical goggles or face shield.
- **Others** : When using, do not eat, drink or smoke.

##### 8.2. Control parameters

**Occupational Exposure Limits** : No data available.

#### 9. Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

**Physical state at 20 °C** : Liquid.

**Colour** : colorless to light yellow

**Odour** : Phenolic odor

**Odour threshold** : No data available.

**pH value** : No data available.

**Melting point [°C]** : 8 - 10 °C

**Decomposition point [°C]** : N/A

**Critical temperature [°C]** : N/A

**Auto-ignition temperature [°C]** : 10380C

**Flammability (solid, gas)** : N/A

**Flash point [°C]** : 86 °C

**Boiling point [°C]** : 203 °C

**Initial boiling point [°C]** : N/A

**Final boiling point [°C]** : N/A

**Evaporation rate** : N/A

**MATERIAL SAFETY DATA SHEET (MSDS)**
**M-CRESOL (FOR SYNTHESIS)**
**9. Physical and chemical properties (continued)**

|  |                      |
|--|----------------------|
| Vapour pressure [20°C]                 | : < 1 hPa at 20 °C   |
| Vapour pressure mm/Hg                  | : N/A                |
| Vapour density                         | : 3,73               |
| Density [g/cm <sup>3</sup> ]           | : 1,034              |
| Relative density, gas (air=1)          | : N/A                |
| Relative density, liquid (water=1)     | : N/A                |
| Solubility in water [% weight]         | : Soluble in water   |
| Solubility in water                    | : N/A                |
| Log Pow octanol / water at 20°C        | : No data available. |
| Solubility                             | : N/A                |
| Viscosity at 40°C [mm <sup>2</sup> /s] | : N/A                |

**9.2. Other information**

|                              |                      |
|------------------------------|----------------------|
| Explosive properties         | : N/A                |
| Explosion limits - upper [%] | : 1,40%              |
| Explosion limits - lower [%] | : 1,10%              |
| Oxidising properties         | : No data available. |

**10. Stability and reactivity**
**10.1. Reactivity.**

|            |                    |
|------------|--------------------|
| Reactivity | : Not established. |
|------------|--------------------|

**10.2. Chemical stability.**

|                    |  |
|--------------------|--|
| Chemical stability | : Stable under recommended storage conditions. |
|--------------------|--|

**10.3. Possibility of hazardous reactions**

|                     |                    |
|---------------------|--------------------|
| Hazardous reactions | : Not established. |
|---------------------|--------------------|

**10.4. Conditions to avoid**

|                     |  |
|---------------------|--|
| Conditions to avoid | : Direct sunlight. Extremely high or low temperatures. |
|---------------------|--|

**10.5. Incompatible materials**

|                    |                               |
|--------------------|-------------------------------|
| Materials to avoid | : Strong acids. Strong bases. |
|--------------------|-------------------------------|

**10.6. Hazardous decomposition products**

## MATERIAL SAFETY DATA SHEET (MSDS)

### M-CRESOL (FOR SYNTHESIS)

#### 10. Stability and reactivity (continued)

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.  
 Thermal decomposition generates : Corrosive vapours.

#### 11. Toxicological information

##### 11.1. Information on toxicological effects

##### Acute toxicity

- Inhalation : Based on available data, the classification criteria are not met.
- Dermal : Toxic in contact with skin.
- Ingestion : Toxic if swallowed.

##### Corrosion

: Causes severe skin burns and eye damage.

##### Irritation

: Based on available data, the classification criteria are not met.

##### Sensitization

: Based on available data, the classification criteria are not met.

##### Mutagenicity

: Based on available data, the classification criteria are not met.

##### Carcinogenicity

: Based on available data, the classification criteria are not met.

##### Toxic for reproduction

: Based on available data, the classification criteria are not met.

##### STOT-single exposure

: Based on available data, the classification criteria are not met.

##### STOT-repeated exposure

: Based on available data, the classification criteria are not met.

##### Aspiration hazard

: Based on available data, the classification criteria are not met.

#### 12. Ecological information

##### 12.1. Toxicity

**Toxicity information** : Not established.

##### 12.2. Persistence - degradability

**Persistence - degradability** : Biodegradable.

##### 12.3. Bioaccumulative potential

**Bioaccumulative potential** : Not established.

##### 12.4. Mobility in soil

**Mobility in soil** : Not established.

##### 12.5. Results of PBT and vPvB assessment

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### MATERIAL SAFETY DATA SHEET (MSDS)

#### M-CRESOL (FOR SYNTHESIS)

#### 12. Ecological information (continued)

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

##### 12.6. Other adverse effects

**Environmental precautions** : Avoid release to the environment.

#### 13. Disposal considerations

##### 13.1. Waste treatment methods

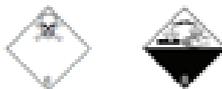
**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.  
Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Special precautions** : Hazardous waste due to toxicity.

#### 14. Transport information

##### 14.1. Land transport (ADR-RID)

**Proper shipping name** : CRESOLS, LIQUID  
**UN N°** : 2076  
**H.I. nr** : 68  
**ADR - Class** : 6.1  
**Labelling - Transport** : 6.1 : Toxic substances. 8 : Corrosive substance.



**ADR - Classification code** : TC1  
**ADR - Group** : II  
**ADR - Packing instructions** : P001  
**ADR - Limited Quantity** : 100 ML  
**ADR - Tunnel code** : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.



**MATERIAL SAFETY DATA SHEET (MSDS)**
**M-CRESOL (FOR SYNTHESIS)**
**14. Transport information (continued)**
**14.2. Sea transport (IMDG).[English only]**

|                                 |  |
|---------------------------------|--|
| Proper shipping name            | : CRESOLS, LIQUID                                      |
| UN N°                           | : 2076   |
| IMO-IMDG - Class or division    | : 6.1 : Toxic substances. ( 8 : Corrosive substance. ) |
| IMO-IMDG - Packing group        | : II   |
| IMO-IMDG - Packing instructions | : P001   |
| IMO-IMDG - Limited quantities   | : 100 ml   |
| IMO-IMDG - Marine pollution     | : No   |
| EMS-Nr                          | : F-A S-B  |

**14.3. Air transport (ICAO-IATA).[English only]**

|  |  |
|--|--|
| Proper shipping name                             | : CRESOLS, LIQUID                                      |
| UN N°  | : 2076   |
| IATA - Class or division                         | : 6.1 : Toxic substances. ( 8 : Corrosive substance. ) |
| IATA - Packing group                             | : II   |
| IATA - Passenger and Cargo Aircraft              | : ALLOWED  |
| - Passenger and Cargo - Packing instruction      | : 653  |
| - Passenger and Cargo - Maximum Quantity/Packing | : 1 L  |
| IATA - Cargo only                                | : ALLOWED  |
| - Cargo only - Packing instruction               | : 660  |
| - Cargo only - Maximum Quantity/Packing          | : 30 L   |
| IATA - Limited Quantities                        | : 0.5 L  |
| ERG-Nr   | : 6C   |

**15. Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

|  |  |
|--|--|
| Safety, health and environmental regulations/legislation specific for the substance or mixture | : Ensure all national/local regulations are observed.              |
| REACH Restrictions - Annex XVII  | : The components of this product are not subject to restrictions.  |
| REACH Authorisation - Annex XIV  | : The components of this product are not subject to authorization. |

**15.2. Chemical Safety Assessment**

**MATERIAL SAFETY DATA SHEET (MSDS)**

**M-CRESOL (FOR SYNTHESIS)**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**