



Safety Data Sheet

o-Cresol

Version 1.02

Revision Date 28.08.2018

SECTION 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name o-Cresol

Synonyms 2-methyl phenol.

Relevant identified uses of the substance or mixture and uses advised against

Use Solvent. Intermediate

Manufacturer or supplier's details

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SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification

Acute oral toxicity	Category 3
Acute dermal toxicity	Category 3
Skin corrosion/irritation	Category 1

Label elements

Pictogram



Signal word

Danger

Hazard statements

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

Precautionary statements

Prevention

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



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Response	<p>P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P302 + P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P361: Take off immediately all contaminated clothing.</p> <p>P363: Wash contaminated clothing before reuse.</p> <p>P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
Storage	<p>P405: Store locked up.</p>
Disposal	<p>P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.</p>
Other hazards	<p>No data available</p>

SECTION 3. Composition/information on ingredients

Substance

o-Cresol

Contents: 100.00 %W/W

CAS-No. 95-48-7

Index-No. 604-004-00-9

EC-No. 202-423-8

Hazard statements *H301 H311 H314*

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

SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Rapid skin decontamination is critical. Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. Apply PEG/EtOH solution liberally to affected area. Allow to remain 15 to 30 seconds, then wash with water. Continue cycle of water and PEG/EtOH solution for at least 15 minutes. (PEG/EtOH solution consists of 2 parts polyethylene glycol 400 to 1 part ethanol. For external use only.) Wash off with soap and water. Wash contaminated clothing before re-use. Call a physician immediately.
Eye contact	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Danger of very serious irreversible effects
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed



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Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Dry chemical Alcohol-resistant foam Water spray.
Unsuitable extinguishing media	Do NOT use water jet.
Special hazards arising from the substance or mixture	Do not use a solid water stream as it may scatter and spread fire.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Keep people away from and upwind of spill/leak. Do not breathe vapours or spray mist.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. The material taken up must be disposed of in accordance with regulations.
Reference to other sections	Refer to section 8 and 13



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SECTION 7. Handling and storage

- Safe handling advice** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment.
- Advice on protection against fire and explosion** No data available
- Requirements for storage areas and containers** Keep locked up.Keep containers tightly closed in a dry, cool and well-ventilated place.Keep away from sources of ignition - No smoking.
- Advice on common storage** No data available

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
CRESOL, ALL ISOMERS	TWA	22 mg/m ³	1995	South Africa RELs
CRESOL, ALL ISOMERS	TWA	5 ppm	1995	South Africa RELs

Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.



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Personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Gloves suitable for permanent contact: Material: butyl-rubber Break through time: 4 h Material thickness: 0.5 mm
Eye protection	Full face-shield
Skin and body protection	Protective suit Safety shoes
Hygiene measures	Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	Solid below 30 ° C, above 32 ° C is liquid
State of matter	Solid; at 20 ° C; 1,013 hPa
Colour	Colourless Pale yellow
Odour	No data available
Odour Threshold	No data available
pH	6.5
Pour point	31 ° C



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Boiling point/boiling range	191 ° C
Flash point	81 ° C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	599 ° C
Lower explosion limit	1.35 %(V)
Vapour pressure	0.03 kPa; 20 ° C
Relative vapour density	3.7
Density	1.043 g/cm ³ ; 25 ° C
Partition coefficient: n-octanol/water	log Pow: 2
Viscosity, dynamic	3.035 mPa.s; 50 ° C

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions. To avoid thermal decomposition, do not overheat.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Acids
Hazardous decomposition products	Carbon monoxideCarbon dioxide (CO ₂)



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SECTION 11. Toxicological information

Acute oral toxicity	o-Cresol: LD50 Rat: 121 mg/kg;
Acute dermal toxicity	o-Cresol: LD50 Rat: 1,380 mg/kg;
Skin irritation	o-Cresol: Causes burns.;
Eye irritation	o-Cresol: Causes burns.
Eye irritation	o-Cresol: Risk of serious damage to eyes.

SECTION 12. Ecological information

Toxicity to fish	o-Cresol: Salmo trutta; 96 h; LC50; 6.2 mg/l;
Toxicity to daphnia and other aquatic invertebrates	o-Cresol: Daphnia pulex (Water flea); 48 h; EC50; 9.6 mg/l
Toxicity to algae	o-Cresol: Selenastrum sp.96 h; EC50; 100 mg/l; (literature value)
Toxicity to bacteria	o-Cresol: 2 h; EC75; 12.8 mg/l
Biodegradability	o-Cresol: Inherently biodegradable.



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Bioaccumulation	o-Cresol: Bioaccumulation is unlikely.
Mobility in soil	o-Cresol: Not expected to adsorb on soil.
Results of PBT and vPvB assessment	o-Cresol: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).
Other adverse effects	o-Cresol: No data available

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance with local and national regulations.
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SECTION 14. Transport information

ADR

UN number:	3455
Class:	6.1, (8)
Packaging group:	II; TC2;
Proper shipping name:	CRESOLS, SOLID



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RID

UN number: 3455
Class: 6.1, (8)
Packaging group: II; TC2
Proper shipping name: CRESOLS, SOLID

ADNR

UN number: 3455
Class: 6.1, (8)
Packaging group: II; TC2
Proper shipping name:

IMDG

UN number: 3455
Class: 6.1, (8)
EmS: F-A, S-B
Packaging group: II
Proper shipping name: CRESOLS, SOLID

Marine pollutant Not a Marine Pollutant



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ICAO/IATA

UN number :	3455
Class:	6.1, (8)
Packaging group:	II
Proper shipping name:	CRESOLS, SOLID
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Cresol (all isomers) Pollution Category: Y Ship Type: 2

SECTION 15. Regulatory information

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

USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
Australian Inv. of Chem. Substances (AICS)	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)



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Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
China Inv. Existing Chemical Substances (IECSC)	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.



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Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.