



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

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

Product identifier

Trade name o-Cresol

Synonyms 2-methyl phenol, o-Cresol 100.

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

Use Solvent. Raw material for cleansing agents and disinfectants. Raw material for pesticides. Raw material for fragrances, dyes, medicinals and resins. Raw material for fragrances, dyes, medicinals and resins.

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa Ltd

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2090
South Africa

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E-mail address sasolchem.info.sa@sasol.com

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+86 400 120 6011 (China)
+27 (0)17 610 4444 (South Africa)
0800 112 890 RSA-Local only
+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

Print Date 09.12.2024

100000002504

1/12

Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

GHS Classification

		CNS 15030: Classification and labeling of chemicals (GHS 2011)	
Classification	Acute oral toxicity		Category 3
	Acute dermal toxicity		Category 3
	Skin corrosion/irritation		Category 1B
	Flammable liquids		Category 4
	Serious eye damage		Category 1
	Short-term (acute) aquatic hazard		Category 2

GHS label elements

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.
 H318 Causes serious eye damage.
 H401 Toxic to aquatic life.

Precautionary statements

:

Prevention:
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
 P264 Wash the contact area thoroughly after handling.

Response:

P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth.
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304 + P340 + P317 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
 P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

Storage:

P405 Store locked up.

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

HAZARDOUS INGREDIENTS

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 *H227 H301 H311 H314 H318 H401*



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

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

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.



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

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

SECTION 7. Handling and storage

Safe handling advice Avoid contact with skin and eyes. Avoid inhalation of vapour. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Avoid ingestion.

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
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Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

CRESOL (ALL ISOMERS)	TWA	22 mg/m ³	12 2003	Taiwan OELs
CRESOL (ALL ISOMERS)	TWA	5 ppm	12 2003	Taiwan OELs

Exposure controls

Engineering measures

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

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. Safety goggles

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 31 °C
State of matter	Solid; at 20 °C; 1,013 hPa
Colour	Colourless Pale yellow
Odour	characteristic
Odour Threshold	5 ppm (literature value)
pH	No data available
Melting point/range	31 °C
Boiling point/boiling range	191 °C
Flash point	81 °C; closed cup
Evaporation rate	No data available

Print Date 09.12.2024

100000002504

6/12



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

Flammability (solid, gas)	No data available
Auto-ignition temperature	599 °C; (literature value)
Decomposition Temperature	No data available
Lower explosion limit	1.4 %(V)
Upper explosion limit	No data available
Vapour pressure	0.33 hPa; 25 °C; (literature value)
Relative vapour density	3.7(Air = 1.0)
Density	1.0443 g/cm ³ ; 20 °C
Water solubility	partly soluble
Partition coefficient: n-octanol/water	log Pow: 1.95; (literature value)
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	Oxidizers.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide (CO ₂).

SECTION 11. Toxicological information

Acute oral toxicity	o-Cresol: LD50 Oral Rat: 121 mg/kg; (literature value)
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Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

Acute inhalation toxicity	No data available
Acute dermal toxicity	o-Cresol: LD50 Rat: 620 mg/kg; (literature value)
Skin irritation	o-Cresol: Rat: Causes burns.; (literature value)
Eye irritation	o-Cresol: Rat: Risk of serious damage to eyes. (literature value)
Sensitisation	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available

SECTION 12. Ecological information

Toxicity to fish	o-Cresol: Salmo trutta; 96 h; LC50; 6.2 mg/l; (literature value)
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.
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: Substance is not persistent, bioaccumulative, and toxic (PBT). Substance is not very persistent and very bioaccumulative (vPvB).
Other adverse effects	o-Cresol: No data available

Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance with local and national regulations.
Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

DG Pictogram



ADR

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

RID

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

ADNR

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



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

IMDG

UN number: 3455
Class: 6.1, (8)
EmS: F-A, S-B
Packaging group: II
Proper shipping name: CRESOLS, SOLID (MOLTEN)
Marine pollutant Not a Marine Pollutant

ICAO/IATA

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

SHIP TYPE: 1

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)

Print Date 09.12.2024

100000002504

10/12



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024

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)
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

H227	Combustible liquid.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.

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.

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.



Safety Data Sheet

o-Cresol

Version 1.01

Revision Date 09.12.2024