



# Safety Data Sheet

## o-Cresol

Version 1.03

Revision Date 16.02.2022

### 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.

#### Manufacturer or supplier's details

**Company** Sasol Chemicals, a division of Sasol South Africa Ltd

**Address** Sasol Place, 50 Katherine Street  
Sandton  
2090  
South Africa

**Telephone** +27103445000

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

**Emergency telephone number** +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)  
+44(0)1235 239 671 (Middle East, Arabic African countries)  
+65 3158 1074 (Asia Pacific)  
+86 400 120 6011 (China)  
+27 (0)17 610 4444 (South Africa)  
0800 112 890 RSA-Local only

# Safety Data Sheet

## o-Cresol

Version 1.03

Revision Date 16.02.2022

+61 (2) 8014 4558 (Australia)

### SECTION 2. Hazards identification

#### Classification of the substance or mixture

#### GHS Classification

**GHS Classification and Labeling: Follow GB 13690, GB 15258 and GB 30000.2 to GB 30000.29 (GHS 2011)**

<b>Classification</b>	Flammable liquids	Category 4
	Acute oral toxicity	Category 3
	Acute dermal toxicity	Category 3
	Skin corrosion/irritation	Category 1B
	Serious eye damage/eye irritation	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.

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

### Precautionary statements

#### **Prevention:**

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P233 Keep container tightly closed.

P264 Wash the contact area thoroughly after handling.

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

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.

No smoking.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

#### **Response:**

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

#### **Storage:**

P405 Store locked up.

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



# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

### **Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

### **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.

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

### 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** *H301 H311 H314 H318 H401*

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

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

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.

### **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

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

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**



# Safety Data Sheet

## o-Cresol

Version 1.03

Revision Date 16.02.2022

Components	Type	Control parameters	Update	Basis
CRESOL	TWA	10 mg/m <sup>3</sup>	2002	China OELs
CRESOL	STEL	25 mg/m <sup>3</sup>	2002	China OELs
CRESOL	TWA	10 mg/m <sup>3</sup>	03 2008	China OELs
CRESOL (ALL ISOMERS)				
CRESOL (ALL ISOMERS)				

### 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



# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

### Information on basic physical and chemical properties

<b>Form</b>	Solid below 31 ° C
<b>State of matter</b>	Solid; at 20 ° C; 1,013 hPa
<b>Colour</b>	Colourless Pale yellow
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	5 ppm (literature value)
<b>pH</b>	No data available.
<b>Melting point/range</b>	31 ° C
<b>Boiling point/boiling range</b>	191 ° C
<b>Flash point</b>	81 ° C; closed cup
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	No data available.
<b>Auto-ignition temperature</b>	599 ° C; (literature value)
<b>Decomposition Temperature</b>	No data available.
<b>Lower explosion limit</b>	1.4 %(V)
<b>Upper explosion limit</b>	No data available.
<b>Vapour pressure</b>	0.33 hPa; 25 ° C; (literature value)
<b>Relative vapour density</b>	3.7(Air = 1.0)
<b>Density</b>	1.0443 g/cm <sup>3</sup> ; 20 ° C
<b>Water solubility</b>	Partly soluble
<b>Partition coefficient: n-</b>	log Pow: 1.95; (literature value)

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

octanol/water

Viscosity, dynamic 3.035 mPa.s; 50 ° C

### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions. To avoid thermal decomposition, do not overheat.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Oxidizers.
<b>Hazardous decomposition products</b>	Carbon monoxide. Carbon dioxide.

### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	o-Cresol: LD50 Oral Rat: 121 mg/kg; (literature value)
<b>Acute dermal toxicity</b>	o-Cresol: LD50 Rat: 620 mg/kg; (literature value)
<b>Skin irritation</b>	o-Cresol: Rat: Causes burns.; (literature value)
<b>Eye irritation</b>	o-Cresol:

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

Rat: Risk of serious damage to eyes. (literature value)

### **SECTION 12. Ecological information**

<b>Toxicity to fish</b>	o-Cresol: Salmo trutta; 96 h; LC50; 6.2 mg/l;
<b>Toxicity to daphnia and other aquatic invertebrates</b>	o-Cresol: Daphnia pulex (Water flea); 48 h; EC50; 9.6 mg/l
<b>Toxicity to algae</b>	o-Cresol: Selenastrum sp.96 h; EC50; 100 mg/l; (literature value)
<b>Toxicity to bacteria</b>	o-Cresol: 2 h; EC75; 12.8 mg/l
<b>Biodegradability</b>	o-Cresol: Inherently biodegradable.
<b>Bioaccumulation</b>	o-Cresol: Bioaccumulation is unlikely.
<b>Mobility in soil</b>	o-Cresol: Not expected to adsorb on soil.
<b>Results of PBT and vPvB assessment</b>	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).
<b>Other adverse effects</b>	o-Cresol: No data available.

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

### SECTION 13. Disposal considerations

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

### SECTION 14. Transport information

#### DG Pictogram



#### ADR

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

#### RID

<b>UN number:</b>	3455
<b>Class:</b>	6.1, (8)
<b>Packaging group:</b>	II; TC2

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

**Proper shipping name:** CRESOLS, SOLID (MOLTEN)

### **ADNR**

**UN number:** 3455

**Class:** 6.1, (8)

**Packaging group:** II; TC2

**Proper shipping name:** CRESOLS, SOLID (MOLTEN)

### **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** Cresol (all isomers)

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

to Annex II of MARPOL      Pollution Category: Y  
73/78 and the IBC Code      Ship Type: 2

### **SECTION 15. Regulatory information**

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

<b>USA TSCA Inventory</b>	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
<b>Canadian Domestic Substances List (DSL)</b>	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
<b>Australian Inv. of Chem. Substances (AICS)</b>	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
<b>Jap. Inv. of Exist. &amp; New Chemicals (ENCS)</b>	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
<b>Japan. Industrial Safety &amp; Health Law (ISHL)</b>	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
<b>Korea. Existing Chemicals Inventory (KECI)</b>	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)

# Safety Data Sheet

## **o-Cresol**

Version 1.03

Revision Date 16.02.2022

**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.
- 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.