Safety Data Sheet

o-Cresol

Version 1.04 Revision Date 20.11.2025

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 fragnances, dyes, medicinals and resins.Raw material for fragnances, dyes, medicinals and resins.

Manufacturer or supplier's details

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+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

GHS Classification

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

Precautionary Statements :

Prevention:
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ 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.

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.

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*

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.
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

vapors 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

Ingredients with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
Cresol (all isomers)	PC-TWA	10 mg/m3	2019-08-27	China. Occupational Exposure Limit for Hazardous Agents in the Workplace

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	Exists as a solid or liquid near ambient temperature
State of matter	Exists as a solid or liquid near ambient temperature
Color	colorless Pale yellow
Odor	characteristic
Odor Threshold	5 ppm (literature value)
pH	No data available
Melting point/ range	Exists as a solid or liquid near ambient temperature
Boiling point/boiling range	191 °C
Flash point	81 °C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	599 °C; (literature value)
Decomposition Temperature	No data available
Lower explosion limit	1.4 %(V)
Upper explosion limit	No data available
Vapor pressure	0.33 hPa; 25 °C; (literature value)
Relative vapor density	3.7(Air = 1.0)
Density	1.0443 g/cm3; 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 monoxideCarbon dioxide (CO2)

SECTION 11. Toxicological information

Acute oral toxicity	o-cresol: LD50 Rat: > 50 - 300 mg/kg; Toxic if swallowed. ; Information taken from reference works and the literature.
Acute inhalation toxicity	No data available
Acute dermal toxicity	o-cresol: LD50 Rabbit: > 1,000 - 2,000 mg/kg; Toxic in contact with skin.; Information taken from reference works and the literature., Derived from the classification according to Annex VI of Regulation (EC) 1272/2008
Skin irritation	o-cresol: Rabbit: Causes burns.; Information taken from reference works and the literature.
Eye irritation	o-cresol: Rabbit: Risk of serious damage to eyes. Information taken from reference works and the literature.
Sensitization	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: Not persistent, bioaccumulative, and toxic (PBT). Not very persistent and very bioaccumulative (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.
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)
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

Canada. DSL - Domestic Substances List, part of CEPA	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
Japan. ENCS - Existing and New Chemical	All chemical constituents are listed in: Japan. ENCS - Existing and

Substances Inventory	New Chemical Substances Inventory (See chapter 3)
Japan. Industrial Safety and Health Law - Inventory	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
China. IECSC - Inventory of Existing Chemical Substances in China	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
Taiwan. Chemical Substances Inventory (TCSI)	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (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.
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