



# Safety Data Sheet

## MP-Cresol 45

Version 1.01

Revision Date 08.03.2021

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

#### Product identifier

Trade name

MP-Cresol 45

Synonyms

MP45, Cresol/Phenol/Xylenol mixture, meta para cresol 45

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

Use

Solvent. Raw material for cleansing agents and disinfectants. Raw material for washing and cleaning agents. Raw material for synthesis processes in the chemical industry. Production of laminates.

#### 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

+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)

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0800 112 890 RSA-Local only

+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>	Acute toxicity (Oral)	Category 3
	Acute toxicity (Inhalation)	Category 3
	Acute toxicity (Dermal)	Category 3
	Skin corrosion/irritation	Category 1B
	Specific target organ toxicity - repeated exposure	Category 2
	Germ cell mutagenicity	Category 2
	Long-term (chronic) aquatic hazard	Category 3

#### GHS label elements

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H331 Toxic if inhaled.

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H314 Causes severe skin burns and eye damage.  
H341 Suspected of causing genetic defects.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary Statements

#### Prevention:

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P284 Wear respiratory protection.  
P233 Keep container tightly closed.

#### Response:

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



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and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P362 + P364 Take off contaminated clothing and wash it before reuse.

### **Storage:**

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

P405 Store locked up.

### **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.

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### SECTION 3. Composition/information on ingredients

#### Mixture

##### Cresol

**Contents:**  $\geq 85.00$  -  $< 91.00$  %W/W

**CAS-No.** 1319-77-3

**Index-No.** 604-004-00-9

**EC-No.** 215-293-2

**Hazard Statements** *H314 H301 H311*

##### Xylenol

**Contents:**  $< 8.30$  %W/W

**CAS-No.** 1300-71-6

**Index-No.** 604-006-00-X

**EC-No.** 215-089-3

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



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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 Aqueous film forming foam (AFFF).

**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.

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**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. Hose down gases, fumes and/or dust with water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

**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 vapor or mist. Avoid ingestion. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Ensure adequate ventilation.

**Advice on protection against fire and explosion**      No data available

**Requirements for storage**      Keep locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from sources of ignition -



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**areas and containers** 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	TWA	10 mg/m3	2002	China OELs
CRESOL	STEL	25 mg/m3	2002	China OELs
CRESOL	TWA	10 mg/m3	03 2008	China OELs
CRESOL (ALL ISOMERS)				
CRESOL (ALL ISOMERS)				
PHENOL	TWA	10 mg/m3	03 2008	China 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** Solvent-resistant gloves

**Eye protection** Full face-shield

**Skin and body protection** Protective suit Safety shoes



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**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

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 ° C; 1,013 hPa
<b>Color</b>	Light yellow
<b>Odor</b>	characteristic
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/range</b>	No data available
<b>Boiling point/boiling range</b>	197.1 - 199.4 ° C; 101.3 kPa
<b>Flash point</b>	96 ° C; closed cup
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available



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Vapor pressure	No data available
Relative vapor density	No data available
Density	1.03 g/cm <sup>3</sup> ; 20 ° C
Water solubility	partly miscible
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	17.02 mm <sup>2</sup> /s; 20 ° C

#### SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Exposure to strong oxidizers can result in exothermic reactions and potentially hazardous by-product.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizers.
Hazardous decomposition products	Thermal decomposition can lead to release of vapours. Carbon dioxide. Carbon monoxide

#### SECTION 11. Toxicological information

Acute oral toxicity	LD50 Rat: female 300 - < 2,000 mg/kg;
Acute inhalation toxicity	LC50 Rat: vapor; 1 - 5 mg/l;

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<b>Acute dermal toxicity</b>	LD50 Rat: 301 mg/kg;
<b>Skin irritation</b>	Corrosive to skin
<b>Mutagenicity</b>	In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects;
<b>Inhalation</b>	Harmful by inhalation.
<b>Ingestion</b>	Toxic if swallowed.

## SECTION 12. Ecological information

<b>Toxicity to daphnia and other aquatic invertebrates</b>	Daphnia magna (Water flea); EC50; > 1 - 10 mg/l
<b>Chronic toxicity in aquatic invertebrates</b>	Daphnia; EC50; 1 mg/l
<b>Biodegradability</b>	Readily biodegradable.;
<b>Bioaccumulation</b>	Bioaccumulation is unlikely.

## 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.

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### SECTION 14. Transport information

#### DG Pictogram



#### ADR

UN number: 2076  
Class: 6.1, (8)  
Packaging group: II; TC1;  
Proper shipping name: CRESOLS, LIQUID

#### RID

UN number: 2076  
Class: 6.1, (8)  
Packaging group: II; TC1  
Proper shipping name: CRESOLS, LIQUID

#### IMDG

UN number: 2076  
Class: 6.1, (8)  
EmS: F-A, S-B  
Packaging group: II



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**Proper shipping name:** CRESOLS, LIQUID

**Marine pollutant** Not a Marine Pollutant

**ICAO/IATA**

**UN number :** 2076

**Class:** 6.1, (8)

**Packaging group:** II

**Proper shipping name:** CRESOLS, LIQUID

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Cresol/Phenol/Xylenol mixture.  
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)

**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)



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<b>New Zealand Inventory of Chemical Substances</b>	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
<b>Japan. ENCS - Existing and New Chemical Substances Inventory</b>	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
<b>Japan. Industrial Safety and Health Law - Inventory</b>	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
<b>Korea. KECI - Korean Existing Chemicals Inventory</b>	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
<b>Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances</b>	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
<b>China. IECSC - Inventory of Existing Chemical Substances in China</b>	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (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

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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.