



# Safety Data Sheet

## MP-Cresol 45

Version 1.00

Revision Date 14.01.2022

### 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

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### SECTION 2. Hazards identification

#### Classification of the substance or mixture

##### GHS Classification

##### Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

#### Classification

Acute oral toxicity	Category 3
Acute dermal toxicity	Category 3
Acute inhalation toxicity	Category 4
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Long-term (chronic) aquatic hazard	Category 3
Short-term (acute) aquatic hazard	Category 2

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### GHS label elements

Hazard pictograms



Signal word

: Danger

Hazard statements

: H301 + H311 Toxic if swallowed or in contact with skin.  
H332 Harmful if inhaled.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.  
H401 Toxic to aquatic life.

Precautionary statements

: **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash the contact area thoroughly after handling.  
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.  
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.  
P391 Collect spillage.

### Storage:

P405 Store locked up.

### Disposal:

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

### Other hazards which do not result in classification

- None known.

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### SECTION 3. Composition/information on ingredients

#### HAZARDOUS INGREDIENTS

##### 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

**Hazard statements** H314 H301 H311 H411

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

Refer to SECTION 11

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### SECTION 5. Firefighting measures

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

### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Do not breathe vapours or spray mist.
<b>Environmental precautions</b>	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.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material and dispose of as hazardous waste. The material taken up must be disposed of in accordance with regulations.
<b>Reference to other sections</b>	Refer to Section 8 and 13

### SECTION 7. Handling and storage

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

### SECTION 8. Exposure controls/personal protection

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### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
CRESOL, TODOS LOS ISÓMEROS CRESOL, TODOS LOS ISÓMEROS	CMP	5 ppm	2003	Argentina OELs
FENOL FENOL	CMP	5 ppm	2003	Argentina OELs

### Exposure controls

#### Engineering measures

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

#### Personal protective equipment

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	Solvent-resistant gloves
<b>Eye protection</b>	Full face-shield. Goggles
<b>Skin and body protection</b>	Protective suit. Safety shoes.
<b>Hygiene measures</b>	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>Colour</b>	Light yellow
<b>Odour</b>	Characteristic
<b>Odour 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.

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<b>Auto-ignition 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.
<b>Vapour pressure</b>	No data available.
<b>Relative vapour density</b>	No data available.
<b>Density</b>	1.03 g/cm <sup>3</sup> ; 20 °C
<b>Water solubility</b>	Partly miscible
<b>Partition coefficient: n-octanol/water</b>	No data available.
<b>Viscosity, kinematic</b>	17.02 mm <sup>2</sup> /s; 20 °C

### SECTION 10. Stability and reactivity

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

### SECTION 11. Toxicological information

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

### SECTION 12. Ecological information

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<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 (water flea); 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.

### SECTION 14. Transport information

#### DG Pictogram



#### ADR

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

#### RID

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

#### IMDG

<b>UN number:</b>	2076
<b>Class:</b>	6.1, (8)

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<b>EmS:</b>	F-A, S-B
<b>Packaging group:</b>	II
<b>Proper shipping name:</b>	CRESOLS, LIQUID
<b>Marine pollutant</b>	Not a Marine Pollutant
<b>ICAO/IATA</b>	
<b>UN number :</b>	2076
<b>Class:</b>	6.1, (8)
<b>Packaging group:</b>	II
<b>Proper shipping name:</b>	CRESOLS, LIQUID
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	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

<b>USA TSCA Inventory</b>	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
<b>Canada. DSL - Domestic Substances List, part of CEPA</b>	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
<b>Australia. AICS - Australian Inventory of Chemical Substances</b>	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
<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)



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### 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.
- H411 Toxic to aquatic life with long lasting effects.

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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