



# Safety Data Sheet

## MP-Cresol 45(P50)

Version 1.03

Revision Date 22.02.2022

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

#### Product identifier

Trade name MP-Cresol 45(P50)

Synonyms MPP50

#### 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. Used in paint strippers and in the 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 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  
+61 (2) 8014 4558 (Australia)

### SECTION 2. Hazards identification

#### Classification of the substance or mixture

##### REGULATION (EC) No 1272/2008

Classification	Acute oral toxicity	Category 3
	Acute dermal toxicity	Category 3
	Acute inhalation toxicity	Category 3
	Skin corrosion	Category 1B
	Serious eye damage	Category 1
	Germ cell mutagenicity	Category 2
	Specific target organ toxicity - repeated exposure	Category 2

#### Label elements

##### REGULATION (EC) No 1272/2008

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Hazard pictograms :



Signal word :

Danger

Hazard statements :

H301 Toxic if swallowed.  
 H311 Toxic in contact with skin.  
 H331 Toxic if inhaled.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H341 Suspected of causing genetic defects.  
 H373 May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

#### Prevention

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

P264 Wash the contact area thoroughly after handling.

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

#### Response

P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/ doctor.

P302 + P352 IF ON SKIN: Wash with plenty of water.

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

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

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 or doctor/ physician.

P370 + P378 In case of fire: Use Water spray, Dry chemical, Alcohol-resistant foam and Aqueous film forming foam (AFFF) to extinguish.

#### Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

#### Disposal

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

### Other hazards

None known.

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### SECTION 3. Composition/information on ingredients

#### HAZARDOUS INGREDIENTS

**Phenol, carboic acid; monohydroxybenzene; phenyl alcohol**

**Contents:** <= 52.00 %W/W

**CAS-No.** 108-95-2

**Index-No.** 604-001-00-2

**EC-No.** 203-632-7

**Hazard statements** H301 H311 H331 H373 H314 H341

#### **Cresol**

**Contents:** >= 39.00 %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:** <= 9.00 %W/W

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

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

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

**Hazard statements** H314 H301 H311 H411

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### SECTION 4. First aid measures

#### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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
<b>Ingestion</b>	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

<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

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**Methods for cleaning up** significant spillages cannot be contained. 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 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 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
PHENOL	TWA	19 mg/m <sup>3</sup>	1995	South Africa RELs
PHENOL	TWA	5 ppm	1995	South Africa RELs
PHENOL	STEL	38 mg/m <sup>3</sup>	1995	South Africa RELs
	STEL	10 ppm	1995	South Africa RELs

#### 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

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<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>	Phenol-like.
<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>	184.4 - 199.1 °C; 1,013 hPa
<b>Flash point</b>	86 °C; closed cup
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	No data available.
<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>	1.05 g/cm <sup>3</sup> ; 20 °C
<b>Water solubility</b>	Insoluble
<b>Partition coefficient: n-octanol/water</b>	No data available.
<b>Viscosity, kinematic</b>	12.93 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>	Cresol: LD50 Rat: 300 - 2,000 mg/kg; Liver ;
<b>Acute oral toxicity</b>	Phenol, carboic acid; monohydroxybenzene; phenyl alcohol: LD50 Rat: 340 - 540 mg/kg;
<b>Acute oral toxicity</b>	Xylenol: Acute toxicity estimate : 100 mg/kg; Converted acute toxicity

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<b>Acute inhalation toxicity</b>	point estimate; Cresol:
<b>Acute inhalation toxicity</b>	Rat: 4 h; vapour; 1.18 mg/l; Respiratory Tract;
<b>Acute dermal toxicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: LC50 Rat: 4 h; vapour; 316 mg/l;
<b>Acute dermal toxicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: LD50 Rabbit: 850 mg/kg;
<b>Acute dermal toxicity</b>	Cresol: Acute toxicity estimate : 300 - 1,000 mg/kg; Converted acute toxicity point estimate;
<b>Acute dermal toxicity</b>	Xylenol: Acute toxicity estimate : 300 mg/kg; Converted acute toxicity point estimate;
<b>Skin irritation</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Causes burns.;
<b>Skin irritation</b>	Cresol: Rabbit: Corrosive; Severe skin irritation Causes skin burns. (literature value)
<b>Eye irritation</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Causes burns.
<b>Eye irritation</b>	Cresol: Causes severe eye burns., Severe eye irritant
<b>Mutagenicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Positive results were obtained in some in vitro tests.;

### SECTION 12. Ecological information

<b>Toxicity to fish</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: semi-static test; Poecilia reticulata; 14 d; LC50; 21.93 mg/l;
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: static test; Ceriodaphnia dubia (water flea); 48 h; EC50; 3.1 mg/l
<b>Toxicity to algae</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Pseudokirchneriella subcapitata (green algae)96 h; EC50; 61.1 mg/l;
<b>Toxicity to bacteria</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Nitrosomonas sp.; IC50; 21 mg/l

### 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

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### 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

#### ADNR

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  
 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

### SECTION 15. Regulatory information

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

##### Inv. of Exist. Chem. Substances in China

All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)

##### 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)

##### New Zealand Inventory of Chemicals

All chemical constituents are listed in: New Zealand Inventory of

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<b>(NZIoC)</b>	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)
<b>China Inv. Existing Chemical Substances (IECSC)</b>	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.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.
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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