



Safety Data Sheet

MP-Cresol 45(P40)

Version 1.01

Revision Date 18.01.2021

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

Product identifier

Trade name MP-Cresol 45(P40)
Synonyms MPP40, MP45P40.

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

Use Solvent. Raw material for cleaning 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 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

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Acute inhalation toxicity	Category 3
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Germ cell mutagenicity	Category 2
Specific target organ toxicity - repeated exposure	Category 2
Long-term (chronic) aquatic hazard	Category 3

Label elements

REGULATION (EC) No 1272/2008

Hazard pictograms



Signal word

: Danger

Hazard statements

- : H301 + H311 + H331 Toxic if swallowed, in contact with skin or 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.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

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Prevention

- P201 + P202 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
- P264 Wash the contact area thoroughly after handling.
- P273 Avoid release to the environment.

Response

- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/ doctor.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P310 IF INHALED: Immediately call a POISON CENTER or doctor/ physician.
- P391 Collect spillage.
- P403 Store in a well-ventilated place. P405 Store locked up.
- P501 Dispose of contents/ container to an approved waste disposal plant.

Storage

Disposal

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: ≥ 47.00 %W/W

CAS-No. 1319-77-3

Index-No. 604-004-00-9

EC-No. 215-293-2

Hazard statements *H314 H301 H311*

Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol

Contents: ≥ 38.00 - ≤ 42.00 %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*

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

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. Aqueous film forming foam (AFFF).
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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 vapours 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 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

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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 ³	1995	South Africa RELs
PHENOL	TWA	5 ppm	1995	South Africa RELs
PHENOL	STEL	38 mg/m ³	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	Solvent-resistant gloves
Eye protection	Full face-shield
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	Liquid
State of matter	Liquid; at 20 ° C; 101.3 kPa
Colour	Light yellow
Odour	Phenol-like

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Odour Threshold	No data available
pH	No data available
Melting point/range	No data available
Boiling point/boiling range	186.1 - 199.4 ° C; 101.3 kPa
Flash point	89 ° C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	No data available
Decomposition	No data available
Temperature	
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	1.05 g/cm ³ ; 20 ° C
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	13.7 mm ² /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 inhalation toxicity	Cresol: Rat: 4 h; vapour; 1.18 mg/l; Respiratory Tract;
Acute inhalation toxicity	Phenol, carboic acid; monohydroxybenzene; phenyl alcohol:

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Skin irritation	LC50 Rat: 4 h; vapour; 316 mg/l; (literature value)
	Cresol: Rabbit: Corrosive; Severe skin irritation Causes skin burns. (literature value)
Skin irritation	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Causes burns.; (literature value)
Eye irritation	Cresol: Causes severe eye burns., Severe eye irritant
Eye irritation	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Causes burns. (literature value)

SECTION 12. Ecological information

Toxicity to fish	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: semi-static test; Poecilia reticulata; 14 d; LC50; 21.93 mg/l; (literature value)
Toxicity to daphnia and other aquatic invertebrates	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: static test; Ceriodaphnia dubia (water flea); 48 h; EC50; 3.1 mg/l(literature value)
Toxicity to algae	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Pseudokirchneriella subcapitata (green algae)96 h; EC50; 61.1 mg/l; (literature value)
Toxicity to bacteria	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Nitrosomonas sp.; IC50; 21 mg/l
Bioaccumulation	Does not bioaccumulate.
Mobility in soil	Not expected to adsorb on soil.
Results of PBT and vPvB assessment	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).

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance with local and national regulations.
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Packaging

Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

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 Marine pollutant

ICAO/IATA

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

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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)
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 (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
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.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.



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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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