



Safety Data Sheet

MP-Cresol 45(P50)

Version 1.01

Revision Date 25.08.2025

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. Industrial use.

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

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		CNS 15030: Classification and labeling of chemicals (GHS 2011)	
		Flammable liquids	Category 4
		Acute oral toxicity	Category 4
		Acute dermal toxicity	Category 2
Classification		Skin corrosion/irritation	Category 1B
		Serious eye damage/eye irritation	Category 1
		Specific target organ toxicity - repeated exposure	Category 1
		Germ cell mutagenicity	Category 2
		Long-term (chronic) aquatic hazard	Category 4
GHS label elements			
Hazard pictograms	:		
Signal Word	:	Danger	
Hazard Statements	:	H227 Combustible liquid. H302 Harmful if swallowed. H310 Fatal in contact with skin. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H372 Causes damage to organs through prolonged or repeated exposure. H341 Suspected of causing genetic defects. H411 Toxic to aquatic life with long lasting effects.	
Precautionary Statements	:	Prevention: P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P270 Do not eat, drink or smoke when using this product. P262 Do not get in eyes, on skin, or on clothing. P264 + P265 Wash hands thoroughly after handling. Do not touch eyes. P203 Obtain, read and follow all safety instructions before use. P273 Avoid release to the environment.	

Response:



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P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth.
P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/ doctor.
P302 + P361 + P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P318 IF exposed or concerned, get medical advice.
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 facility in accordance with local, regional, national and international regulations.

Other hazards

None known.

SECTION 3. Composition/information on ingredients

HAZARDOUS INGREDIENTS

Phenol, carboic acid; monohydroxybenzene; phenyl alcohol

Contents: 52.60 %W/W

CAS-No. 108-95-2

Index-No. 604-001-00-2

EC-No. 203-632-7

Hazard Statements H227 H302 H311 H314 H318 H372 H341



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Cresol.

Contents: 44.50 %W/W

CAS-No. 1319-77-3

Index-No. 604-004-00-9

EC-No. 215-293-2

Hazard Statements *H227 H302 H310 H314 H318*

xyleneol

Contents: 2.60 %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).
Unsuitable extinguishing media	Do NOT use water jet.



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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. 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 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

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NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Components	Type	Control parameters	Update	Basis
PHENOL	TWA	19 mg/m ³	06 2014	Taiwan OELs
PHENOL	TWA	5 ppm	06 2014	Taiwan OELs
PHENOL				
CRESOL (ALL ISOMERS)	TWA	22 mg/m ³	12 2003	Taiwan OELs
CRESOL (ALL ISOMERS)	TWA	5 ppm	12 2003	Taiwan 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

Gloves suitable for permanent contact.:

Material: butyl-rubber

Break through time: 4 h

Material thickness: 0.5 mm

Eye protection

Full face-shield. 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	Liquid
State of matter	Liquid; at 20 °C; 1,013 hPa
Color	light yellow
Odor	phenol-like
Odor Threshold	No data available

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pH	No data available
Melting point/ range	No data available
Boiling point/boiling range	184.4 - 199.1 °C; 1,013 hPa
Flash point	86 °C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	No data available
Decomposition Temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Relative vapor 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	12.93 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 (CO ₂). Carbon monoxide.

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SECTION 11. Toxicological information

Acute oral toxicity	Cresol.: Acute toxicity estimate : > 2,000 mg/kg; Acute toxicity estimate;
Acute oral toxicity	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Acute toxicity estimate : > 2,000 mg/kg;
Acute oral toxicity	xylenol: Acute toxicity estimate : 100 mg/kg; Converted acute toxicity point estimate;
Acute dermal toxicity	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Acute toxicity estimate : 1,000 mg/kg; Acute toxicity estimate;
Acute dermal toxicity	Cresol.: 200 mg/kg; Acute toxicity estimate;
Acute dermal toxicity	xylenol: Acute toxicity estimate : 300 mg/kg; Converted acute toxicity point estimate;
Skin irritation	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Causes burns.;
Skin irritation	Cresol.: Rabbit: Corrosive; Severe skin irritation Causes skin burns. (literature value)
Eye irritation	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Causes burns.
Eye irritation	Cresol.: Causes severe eye burns., Severe eye irritant
Carcinogenicity	No data available
Mutagenicity	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Positive results were obtained in some in vitro tests.; Suspected of causing genetic defects.

SECTION 12. Ecological information

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Toxicity to fish	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: semi-static test; <i>Poecilia reticulata</i> ; 14 d; LC50; 21.93 mg/l;
Toxicity to daphnia and other aquatic invertebrates	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: static test; <i>Ceriodaphnia dubia</i> (water flea); 48 h; EC50; 3.1 mg/l
Toxicity to algae	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: <i>Pseudokirchneriella subcapitata</i> (green algae)96 h; EC50; 61.1 mg/l;
Toxicity to bacteria	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: <i>Nitrosomonas sp.</i> ; IC50; 21 mg/l
Toxicity to fish	No data available
Chronic toxicity in aquatic invertebrates	No data available
Bioaccumulation	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:	2076
Class:	6.1, (8)
Packaging group:	II; TC1;
Proper shipping name:	CRESOLS, LIQUID



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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
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)

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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

H227	Combustible liquid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects.
H372	Causes 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

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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.