

Safety Data Sheet

MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

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

Product identifier

Trade name MP-Cresol 45(P40)

Synonyms MP45(P40)

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

Use Chemical intermediate Industrial use. Solvent mixture

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd

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Sandton
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Emergency Phone Number

Emergency telephone +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

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+65 3158 1074 (Asia Pacific)

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+27 (0)17 610 4444 (South Africa)

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SECTION 2. Hazards identification



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Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification	Flammable Liquids	Category 4
	Acute oral toxicity	Category 3
	Acute dermal toxicity	Category 3
	Acute inhalation toxicity	Category 3
	Skin corrosion/irritation	Category 1
	Germ cell mutagenicity	Category 2

Label elements

Pictogram



Signal word

Danger

Hazard statements

H227: Combustible liquid.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
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

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and

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	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.
	P264: Wash hands thoroughly after handling.
Response	<p>P302 + P352: IF ON SKIN: Wash with plenty of water.</p> <p>P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.</p> <p>P304 + P310: IF INHALED: Immediately call a POISON CENTER or doctor/ physician.</p> <p>P361: Remove/Take off immediately all contaminated clothing.</p> <p>P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
Storage	<p>P403: Store in a well-ventilated place.</p> <p>P405: Store locked up.</p>
Disposal	P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.
Other hazards	No data available

SECTION 3. Composition/information on ingredients

Mixture

Cresol

Contents: >= 45.00 - <= 60.00 %W/W



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CAS-No. 1319-77-3

Index-No. 604-004-00-9

EC-No. 215-293-2

Hazard statements *H301 H311 H314*

Phenol, carboic acid; monohydroxybenzene; phenyl alcohol

Contents: ≥ 35.00 - ≤ 45.00 %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: ≥ 2.00 - ≤ 20.00 %W/W

CAS-No. 1300-71-6

Index-No. 604-006-00-X

EC-No. 215-089-3

Hazard statements *H301 H311 H314 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.



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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.

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

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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. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment.

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
FENOL FENOL		5 ppm	11 2011	Indonesia OELs Hazard Data

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KRESOL, SEMUA ISOMER KRESOL, SEMUA ISOMER		22 mg/m3 5 ppm	11 2011 11 2011	Indonesia OELs Hazard Data Indonesia OELs Hazard Data
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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	Colourless light yellow
Odour	Phenol-like



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Odour Threshold	No data available
Pour point	-38 ° C; 101.3 kPa
Boiling point/boiling range	186.3 - 208.7 ° C; 101.3 kPa
Flash point	84 ° C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Relative vapour density	No data available
Density	1.048 g/cm ³ ; 20 ° C
Viscosity, dynamic	6.18 mPa.s; 20 ° C

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents. Acids
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapours. Carbon dioxide (CO ₂) Carbon monoxide

SECTION 11. Toxicological information

Acute oral toxicity	Cresol: LD50 Rat: 300 - 2,000 mg/kg; Liver ;
Acute oral toxicity	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol:



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	LD50 Rat: 340 - 540 mg/kg; (literature value)
Acute inhalation toxicity	Cresol: Rat: 4 h; vapour; 1.18 mg/l; Respiratory Tract;
Acute inhalation toxicity	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: LC50 Rat: 4 h; vapour; 316 mg/l; (literature value)
Acute dermal toxicity	Cresol: LD50 Rat: 2,000 mg/kg;
Acute dermal toxicity	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: LD50 Rabbit: 850 mg/kg; (literature value)
Skin irritation	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:



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	Pseudokirchneriella subcapitata (green algae)96 h; EC50; 61.1 mg/l;
Toxicity to bacteria	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Nitrosomonas sp.; IC50; 21 mg/l
Bioaccumulation	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Does not bioaccumulate.
Mobility in soil	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Not expected to adsorb on soil.
Results of PBT and vPvB assessment	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: 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).
Other adverse effects	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: No data available

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance with local and national regulations.
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SECTION 14. Transport information

ADR

UN number: 2076

Class: 6.1, (8)

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Packaging group: II; TC1;

Proper shipping name: CRESOLS, LIQUID
(Cresol)

RID

UN number: 2076

Class: 6.1, (8)

Packaging group: II; TC1

Proper shipping name: CRESOLS, LIQUID
(Cresol)

IMDG

UN number: 2076

Class: 6.1, (8)

EmS: F-A, S-B

Packaging group: II

Proper shipping name: CRESOLS, LIQUID
(Cresol)

Marine pollutant Marine pollutant



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ICAO/IATA

UN number : 2076

Class: 6.1, (8)

Packaging group: II

Proper shipping name: CRESOLS, LIQUID
(Cresol)

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



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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.
- 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.

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.



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