



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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SECTION 2. Hazards identification

Classification of the substance or mixture

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

Classification

Flammable liquids	Category 4
Acute oral toxicity	Category 3
Acute dermal toxicity	Category 1
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity - repeated exposure	Category 1
Hazardous to the aquatic environment - chronic hazard	Category 3

Label elements

Pictogram



Signal word

Danger

Hazard statements

H227: Combustible liquid.
H301: Toxic 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

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exposure.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P201: Obtain special instructions before use.

P202: 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.

P264: Wash hands thoroughly after handling.

Response

P370 + P378: In case of fire: Use dry powder or dry sand to extinguish.

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

P304 + P312: IF INHALED: Call a POISON CENTER/ doctor if you feel unwell.

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

P361: Remove/Take off immediately all contaminated clothing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

P403: Store in a well-ventilated place.

P405: Store locked up.



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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

CAS-No. 1319-77-3

Index-No. 604-004-00-9

EC-No. 215-293-2

Hazard statements *H227 H302 H310 H314 H318*

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 *H227 H302 H311 H314 H318 H372*

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

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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

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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 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

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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
PHENOL		19 mg/m3	06 2014	Taiwan OELs
PHENOL		5 ppm	06 2014	Taiwan OELs
PHENOL				
CRESOL (ALL ISOMERS)	TWA	22 mg/m3	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.



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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
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



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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: 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)



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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: Pseudokirchneriella subcapitata (green algae)96 h; EC50; 61.1 mg/l;



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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

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Class: 6.1, (8)

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

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Marine pollutant

Marine pollutant

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)

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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.
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



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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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