



sasol

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

1.1 Product identifier

Trade name	MP-Cresol 45(P40)
Synonyms	MP45(P40)

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

Use	Chemical intermediate Industrial use. Solvent mixture
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1.3 Manufacturer or supplier's details

Company	Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd
Address	Sasol Place, 50 Katherine Street Sandton 2090 South Africa
Telephone	+27103445000
Fax	
E-mail address	sasolchem.info.sa@sasol.com
Supplier's details	Sasol (China) Chemical Co., Ltd Chemical Industry Park, Nanjing No.68, Fangshui Road 210047 China
Telephone	+86 25 5839 1111
E-mail address	

1.4 Emergency Phone Number

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)
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+86 10 5100 3039 (China)

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

+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

China. SAWS GHS classification list (SAWS No. 2015-80, August 19, 2015).

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
	Serious eye damage/eye irritation	Category 1

2.2 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.
H318: Causes serious eye damage.

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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.

2.3 Precautionary statements

Prevention

P201: Obtain special instructions before use.

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

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 sand, dry chemical or alcohol-resistant foam for extinction.

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.

P362: Take off contaminated clothing and wash before reuse.

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

P308 + P313: IF exposed or concerned: Get medical advice/ attention.

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

3.1 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 *H301 H311 H314 H318 H401*

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 H314 H318 H341
H373 H401 H411*

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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4.1 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.

4.2 Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

5.1 Extinguishing media



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Suitable extinguishing media	Dry chemical Alcohol-resistant foam Water spray.
Unsuitable extinguishing media	Do NOT use water jet.
5.2 Special hazards arising from the substance or mixture	Do not use a solid water stream as it may scatter and spread fire.
5.3 Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

6.1 Personal precautions	Keep people away from and upwind of spill/leak. Do not breathe vapours or spray mist.
6.2 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.
6.3 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.
6.4 Reference to other sections	Refer to Section 8 and 13

SECTION 7. Handling and storage

7.1 Safe handling advice	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. In case of insufficient ventilation, wear suitable respiratory
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equipment. Wear personal protective equipment.

7.2 Advice on protection against fire and explosion

No data available

7.3 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.

7.4 Advice on common storage

No data available

7.5 Specific end use(s)

No data available

SECTION 8. Exposure controls/personal protection

8.1 Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

8.2 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



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product.

SECTION 9. Physical and chemical properties

9.1 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
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

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of	None known.



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hazardous reactions

10.4 Conditions to avoid	Heat, flames and sparks.
10.5 Materials to avoid	Oxidizing agents. Acids
10.6 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)
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:



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Eye irritation	Causes severe eye burns., Severe eye irritant
	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; <i>Poecilia reticulata</i> ; 14 d; LC50; 21.93 mg/l; (literature value)
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(literature value)
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</i> 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



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(vPvB).

Other adverse effects

Phenol, carboic acid; monohydroxybenzene; phenyl alcohol:

No data available

SECTION 13. Disposal considerations

13.1 Product

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

SECTION 14. Transport information

ADR

UN number: 2076

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)



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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

ICAO/IATA

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

SECTION 15. Regulatory information

15.1 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)



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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.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life.
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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