



# 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

**Address**

Sasol Place, 50 Katherine Street  
Sandton  
2090  
South Africa  
+27103445000

**Telephone**

**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 10 5100 3039 (China)

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

+61 (2) 8014 4558 (Australia)



**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

## SECTION 2. Hazards identification

### Classification of the substance or mixture

Korea. KOSHA GHS Classifications List (Korea Occupational Safety & Health Agency).

#### Classification

Flammable Liquids	Category 4
Acute oral toxicity	Category 3
Acute dermal toxicity	Category 3
Acute inhalation toxicity	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Germ cell mutagenicity	Category 1
Specific target organ toxicity - single exposure	Category 1
Specific target organ toxicity - repeated exposure	Category 1
Hazardous to the aquatic environment - chronic hazard	Category 2

### Label elements

#### Pictogram



#### Signal word

Danger

#### Hazard statements

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

# Safety Data Sheet

## MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

H332: Harmful if inhaled.  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.  
H341: Suspected of causing genetic defects.  
H370: Causes damage to organs.  
H372: Causes damage to organs through prolonged or repeated exposure.  
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.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
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.

#### 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.  
P361: Take off immediately all contaminated clothing.



**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

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

Continue rinsing.

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

#### Storage

P403: Store in a well-ventilated place.

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

No data available

## SECTION 3. Composition/information on ingredients

### Mixture

#### Cresol

**Contents:**  $\geq 45.00$  -  $\leq 60.00$  %W/W

**CAS-No.** 1319-77-3

**Index-No.** 604-004-00-9

**EC-No.** 215-293-2

**Hazard statements** *H302 H312 H314 H318 H370 H372*

#### Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol

**Contents:**  $\geq 35.00$  -  $\leq 45.00$  %W/W

**CAS-No.** 108-95-2

**Index-No.** 604-001-00-2

**EC-No.** 203-632-7

**Hazard statements** *H301 H311 H332 H314 H341 H373*

*H411*

# Safety Data Sheet

## MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

### Xylenol

**Contents:**  $\geq 2.00$  -  $\leq 20.00$  %W/W

**CAS-No.** 1300-71-6

**Index-No.** 604-006-00-X

**EC-No.** 215-089-3

**Hazard statements** *H301 H311 H314 H318 H336 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.

#### 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



**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

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

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

## SECTION 6. Accidental release measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Do not breathe vapours or spray mist.
<b>Environmental precautions</b>	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



**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

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
------------	------	--------------------	--------	-------

**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

PHENOL		19 mg/m <sup>3</sup>	08 2012	Korea OELs
PHENOL		5 ppm	08 2012	Korea OELs
CRESOL (ALL ISOMERS)		22 mg/m <sup>3</sup>	08 2012	Korea OELs
CRESOL (ALL ISOMERS)		5 ppm	08 2012	Korea 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** 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

Print Date 29.08.2018

100000002168

8/16





**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

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

## SECTION 10. Stability and reactivity

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

## SECTION 11. Toxicological information



**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

<b>Acute oral toxicity</b>	Cresol: LD50 Rat: 300 - 2,000 mg/kg; Liver ;
<b>Acute oral toxicity</b>	Cresol: Acute toxicity estimate : 100 mg/kg; Converted acute toxicity point estimate;
<b>Acute oral toxicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: LD50 Rat: 340 - 540 mg/kg; (literature value)
<b>Acute oral toxicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Acute toxicity estimate : 100 mg/kg; Converted acute toxicity point estimate;
<b>Acute inhalation toxicity</b>	Cresol: Rat: 4 h; vapour; 1.18 mg/l; Respiratory Tract;
<b>Acute inhalation toxicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: LC50 Rat: 4 h; vapour; 316 mg/l; (literature value)
<b>Acute dermal toxicity</b>	Cresol: LD50 Rat: 2,000 mg/kg;
<b>Acute dermal toxicity</b>	Cresol: Acute toxicity estimate : 300 mg/kg; Converted acute toxicity point estimate;
<b>Acute dermal toxicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: LD50 Rabbit: 850 mg/kg; (literature value)
<b>Acute dermal toxicity</b>	Phenol, carbolic acid; monohydroxybenzene; phenyl alcohol: Acute toxicity estimate : 300 mg/kg; Converted acute toxicity point estimate;
<b>Skin irritation</b>	Cresol:

# Safety Data Sheet

## MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

### Skin irritation

Rabbit: Corrosive; Severe skin irritation Causes skin burns.  
(literature value)

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;

### 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:



**sasol**

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

#### Results of PBT and vPvB assessment

Not expected to adsorb on soil.

Phenol, carboic 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, carboic acid; monohydroxybenzene; phenyl alcohol:

No data available

## SECTION 13. Disposal considerations

#### 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

## Safety Data Sheet

### MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

(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

#### ICAO/IATA

# Safety Data Sheet

## MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

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)



**sasol**

# Safety Data Sheet

## MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

<b>Korea. Existing Chemicals Inventory (KECI)</b>	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
<b>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</b>	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
<b>China Inv. Existing Chemical Substances (IECSC)</b>	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.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
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



# Safety Data Sheet

## MP-Cresol 45(P40)

Version 1.00

Revision Date 29.08.2018

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.