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## SAFETY DATA SHEET

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### 1 Identification of the substance or preparation and the supplier

Product Name: **CARBON REMOVER SP**  
 Datasheet Number: 576793 2.0.0  
 Use of the substance/preparation: Cleaning agent  
 Product Part Number: 576793 (25 liter)

Name of Supplier: Unitor ASA  
 Address of Supplier: Willem Barentszstraat 50  
 3165 AB Rotterdam-Albrandswaard  
 The Netherlands

Telephone: +31 10 4877 777  
 Fax: +31 10 4877 888  
 Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

Name of Manufacturer: UNITOR CHEMICALS AS  
 Address of Manufacturer: P.O.Box 15  
 3141 Kjøpmannskjær  
 Norway.  
 Telephone: +47 333 515 00

Emergency Telephone: NCEC: +44 1865 407333  
 CHEMTREC (800) 424 9300  
 CMA +1 703 527 3887  
 Greece +30 1 7793777

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### 2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Dichlorotoluene	30-60	29797-40-8	249-854-8	36	Xi
Xylenol	10-30	1300-71-6	215-089-3	24/25, 34, 51/53	T, N
Kerosine, unspecified	10-30	64742-94-5	265-198-5	51, 53, 65, 66	Xn, N
Naphtha, low boiling, hydrogen treated	0-30	64742-82-1	265-185-4	65, 66	Xn

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### 3 Hazards identification

- Odour: Unpleasant odour, Strong smell of phenol
- Appearance: Liquid, brown, dispersible in water
- Contact with eyes: Can cause damage to the eyes
- Contact with skin: Causes burns (R34), Toxic in contact with skin and if swallowed (R24/25)
- Inhalation: May cause severe irritation, May cause dizziness, confusion, headache or stupor, In cases of severe exposure, anaesthesia may develop
- Ingestion: Toxic if swallowed (R25)
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)

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### 3 Hazards identification (....)



Toxic



Dangerous for the Environment

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### 4 First aid measures

#### Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
- When in doubt or symptoms persist, seek medical attention
- Contaminated clothing should be laundered before reuse

#### Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek immediate medical attention
- Continue flushing with water until medical help arrives

#### Ingestion

- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Do not induce vomiting
- Seek immediate medical attention

#### Inhalation

- Remove patient to fresh air
- Keep warm and at rest, in a half upright position. Loosen clothing
- When in doubt or symptoms persist, seek medical attention

#### General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
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### 5 Fire-fighting measures

- Flash point >70 deg C (CC)
  - Decomposition products may include phosgene, Decomposition products may include carbon oxides
  - In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
  - Substance evolves toxic fumes, wear self-contained breathing apparatus
  - Prevent run off water from entering drains if possible
  - Use water spray or fog to knock down and absorb corrosive fumes
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### 6 Accidental release measures

#### Personal Precautions

- Wear protective clothing as per section 8

#### Environmental Precautions

- Do not allow to enter public sewers and watercourses
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## 6 Accidental release measures (...)

- Use appropriate containment to avoid environmental contamination (S57)
- Do not flush spilt material into any public water system

### Immediate Actions

- Use appropriate containment to avoid environmental contamination (S57)

### Clean Up Actions

- Absorb spillage in inert material and shovel up
- Ventilate the area and wash spill site after material pick-up is complete

### Special Precautions

- Wear protective clothing as per section 8
- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

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## 7 Handling and storage

### Handling

- See Section 8
- Eyewash bottles should be available
- Avoid contact with skin and eyes (S24/25)

### Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)

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## 8 Exposure controls and personal protection

### Exposure Limits

- TLV (TWA) 30 mg/m<sup>3</sup> (Dichlorotoluene)

### Exposure controls

- The undiluted product must not be used in a confined space without good ventilation

### Occupational exposure controls

- Wear approved respirator if exposure likely to exceed MEL/OES
- Wear goggles giving complete eye protection
- Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)



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## 9 Physical and chemical properties

- Odour: Unpleasant odour, Strong smell of phenol
- Appearance: Liquid, brown, dispersible in water
- pH - not applicable

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## 9 Physical and chemical properties (....)

- Boiling point > 100 °C at 760 mm /Hg
  - Vapour pressure - not known
  - Vapour density (air = 1) >1
  - Freezing point <0 °C at 760 mm/Hg
  - Emulsifies in water
  - Specific gravity (water=1) 1.04
  - Flash point >70 deg C (CC)

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## 10 Stability and reactivity

- This article is considered stable under normal conditions, May cause rubber to swell
- Avoid overheating
- Incompatible with strong oxidizing substances, Contact with alkaline earth metals may form explosive gases, Contact with alkali metals may form explosive gases
- See Section 5

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## 11 Toxicological information

### Toxicological information

- No experimental data available
- Danger of serious damage to health by prolonged exposure (R48)

### Inhalation

- Causes severe irritation
- May cause dizziness, confusion, headache or stupor
- Has central nervous system effects

### Contact with skin

- Prolonged skin or eye contact may cause chemical burns
- Can be absorbed through skin

### Contact with eyes

- Causes severe irritation
- Prolonged skin or eye contact may cause chemical burns
- Can cause damage to the eyes

### Ingestion

- Can cause damage to the digestive system

### Carcinogenicity

- No evidence of carcinogenic effects

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## 12 Ecological information

### Ecotoxicity

- This product contains components which are classified in the EU as dangerous for the environment.
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

### Mobility

- Emulsifies in water



## 14 Transport information (....)

IMDG EmS:	6.1-02	IMDG subrisk:	N/A
IMDG labels:	6.1 + Mar. Pollutant	IMDG Flashpoint:	> 70 °C

### Air (ICAO/IATA)

Proper Shipping Name: Toxic liquid, organic, n.o.s. (xylenol, dichlorotoluene)  
 ICAO Un No.: 2810

ICAO Hazard Class.: 6.1 ICAO Packing Group.: III

ICAO subrisk: N/A ICAO Labels: 6.1

ICAO Flashpoint: >70 °C

### DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name: Toxic liquid, organic, n.o.s. (xylenol, dichlorotoluene)  
 Hazardous Material: xylenol, dichlorotoluene

Hazard Class: 6.1 Identification Number: UN 2810

Product RQ (lbs): 100 DOT subrisk: Marine Pollutant

DOT labels: 6.1 + Mar. Pollutant DOT Flashpoint: >70°C

- Marine pollutant

## 15 Regulatory information



Toxic



Dangerous for the Environment

### Risk Phrases

- Harmful by inhalation (R20)
- Toxic in contact with skin and if swallowed (R24/25)
- Causes burns (R34)
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)

### Safety Phrases

- Do not breathe vapour/fumes (S23)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- After contact with skin, wash immediately with plenty of soap and water (S28)
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
- This material and its container must be disposed of as hazardous waste (S60)

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## 16 Other information

(R24/25: Toxic in contact with skin and if swallowed. R34: Causes burns. R36: Irritating to eyes. R51: Toxic to aquatic organisms. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R53: May cause long term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.)

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)