

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

Product Name: **CARBON REMOVER**
 Datasheet Number: 571604 12. 0. 0
 Use of the substance/preparation: Cleaning agent
 Product Part Number: 571604 (25 liter)
 Name of Supplier: Wilhelmsen Ships Service AS
 Address of Supplier: Willem Barentszstraat 50
 3165AB
 Rotterdam
 The Neherlands
 Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Patrick Rijsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
 Email: Patrick.Rijsdijk@Wilhelmsen.com
 Name of Manufacturer: UNITOR CHEMICALS AS
 Address of Manufacturer: P.O.Box 15
 3141 Kjøpmannskjær
 Norway.
 Telephone: +47 333 515 00
 Emergency Telephone: ****ONLY TO BE USED IN CASE OF AN INCIDENT****
 NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887,
 Greece +30 210 7793777

2 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: Harmful: may cause lung damage if swallowed (R65)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)



Toxic



Dangerous for the Environment

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Dichlorotoluene	30-60	29797-40-8	249-854-8	R36, 51/53	Xn, N
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	65, 66, 51, 53	Xn, N

3 Composition/information on ingredients (....)

Naphtha (petroleum), 10-30 64742-82-1 265-185-4 65, 66 Xn
hydrodesulfurized heavy

*See Section 16

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
- Apply artificial respiration only if patient is not breathing

General

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

5 Fire-fighting measures

- Flash point >61 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
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
-

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
-

6 Accidental release measures (....)

Environmental Precautions

- Do not allow to enter public sewers and watercourses

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
-

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)
-

8 Exposure controls and personal protection

Exposure Limits

- Dichlorotoluene
TLV (TWA) 150 mg/m³ ()
- Xylenol
TLV (TWA) 22 mg/m³ ()
- Kerosine, unspecified
TLV (TWA) 120 mg/m³ ()
- Naphtha (petroleum),hydrodesulfurized heavy
TLV (TWA) 275 mg/m³ ()

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)



Respirator



Gloves



Suit



No Smoking

9 Physical and chemical properties

- Odour: Unpleasant odour, Strong smell of phenol
 - Appearance: Liquid, brown, dispersible in water
 - pH 10-11 (5% in 50/50 H₂O-IPA mix)
-

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
 - Insoluble in water
 - Specific gravity (water=1) 1.02
 - Flash point >61 deg C (CC)
-

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

- In cases of severe exposure, nausea/vomiting may develop

Inhalation

- Causes severe irritation
- Has central nervous system effects
- May cause nausea/vomiting

Contact with skin

- Can be absorbed through skin
- Toxic by inhalation and in contact with skin (R23/24)
- Causes burns (R34)

Contact with eyes

- Causes severe irritation
- Can cause damage to the eyes

Ingestion

- Can cause damage to the digestive system
- Toxic if swallowed (R25)

Carcinogenicity

- No evidence of carcinogenic effects
-

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

Persistence and Biodegradability

- Most components in this product are not readily biodegradable.

Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.
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12 Ecological information (....)

Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.

13 Disposal considerations

Classification

- This material and/or its container must be disposed of as hazardous waste
- EU Waste class: 07.01

Disposal considerations

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation

14 Transport information



Toxic



Marine Pollutant

Proper Shipping Name: Toxic liquid, organic, n.o.s. (Xylenol, Dichlorotoluene)

Emergency Action Code

UN

Road/Rail (ADR/RID)

Proper Shipping Name:	Toxic liquid, organic, n.o.s. (Xylenol, Dichlorotoluene)		
ADR UN No.:	2810	ADR Hazard Class:	6.1
ADR Packing Group:	III	ADR subrisk:	N/A
ADR-RID Labels:	6.1 + Mar Pol	ADR Flashpoint:	>61

Sea (IMDG)

Proper Shipping Name:	Toxic liquid, organic, n.o.s. (Xylenol, Dichlorotoluene)		
IMDG UN No.:	2810	IMDG Hazard Class.:	6.1
IMDG Pack Group.:	III	IMDG EmS:	F-A, S-A
IMDG subrisk:	N/A	IMDG Labels:	6.1 + Mar Pol
IMDG Flashpoint:	>61		

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 + Mar Pol	ICAO Flashpoint:	>61

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:	UN2810	Product RQ (lbs):	N/A
DOT subrisk:	N/A	DOT Labels:	6.1
DOT Flashpoint:	>61		

14 Transport information (....)

Transport information

- Marine pollutant
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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)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

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)
 - Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
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16 Other information

Text of R and S phrase codes used in this safety data sheet:- 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 has been prepared in accordance with article 31 and annex II in REACH...

16 Other information (....)

Composition information in accordance with Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:

Halogenated hydrocarbons	>30	%
Aromatic hydrocarbons	>30	%
Aliphatic hydrocarbons	5-15	%
Anionic surfactants	5-15	%