

SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: CARBON REMOVER
Datasheet Number: 571604-r 2. 0. 0
Product Part Number: 571604
Head Office:: Wilhelmsen Ships Service AS
Address: Strandveien 20, N1324 Lysaker, Norway Tel(+47) 67 58 45 50

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

Cleaning agent

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Wilhelmsen Ships Service AS
Address of Supplier: Willem Barentszstraat 50
3165AB Rotterdam
The Netherlands
Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.:+31 6 349 440 35
Email: patrick.rijdsdijk@wilhelmsen.com

1.4 Emergency telephone number

ONL 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

Australia: +61 3 9630 0998

2 Hazards identification

2.1 Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

2.2 Label elements



Toxic



Dangerous for the Environment

- Contains: Dichlorotoluene (Mixed isomers) - Xylenol - Kerosine, unspecified - Naphtha (petroleum), hydrodesulfurized heavy

Risk Phrases

- Toxic in contact with skin and if swallowed (R24/25)
- Causes burns (R34)
- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)

2 Hazards identification (....)

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

Safety Phrases

- Do not breathe spray/mists (S23)
- 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)
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
- 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)

2.3 Other hazards

- Odour: Unpleasant odour, Strong smell of phenol
- Appearance: Liquid, brown, dispersible in water
- Inhalation: May cause severe irritation, May cause dizziness, confusion, headache or stupor, In cases of severe exposure, anaesthesia may develop

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Dichlorotoluene (Mixed isomers)	30-60%	29797-40-8	249-854-8	R38, 53	Xn, N
xylenol	10-30%	1300-71-6	215-089-3	R24/25, 34, 51/53	T, N
Kerosine, unspecified	10-30%	64742-94-5	265-198-5	R65, 66, 51, 53	Xn, N
Naphtha (petroleum), hydrodesulfurized heavy	10-30%	64742-82-1	265-185-4	R65, 66	Xn

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash with plenty of soap and water.
- Contaminated clothing should be laundered before reuse
- When in doubt or symptoms persist, seek medical attention
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek immediate medical attention
- Continue flushing with water until medical help arrives
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

4 First aid measures (....)

- Never make an unconscious person vomit or drink fluids
- Give plenty of water to drink
- Seek immediate medical attention
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- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- 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 but do not use mouth to mouth resuscitation

4.2 Most important symptoms and effects, both acute and delayed

- Causes severe irritation
- Has central nervous system effects
- May cause nausea/vomiting
- Can be absorbed through skin
- Can cause damage to the eyes
- The ingestion of significant quantities may cause damage to digestive system

4.3 Indication of immediate medical attention and special treatment needed

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5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure

5.3 Advice for firefighters

- Substance evolves toxic fumes, wear self-contained breathing apparatus
 - Prevent run off water from entering drains if possible
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

- None
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7 Handling and storage

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

- Dichlorotoluene(Mixed isomers)
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 ()

8.2 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

9.1 Information on basic 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)
- Boiling point > 100 °C at 760 mm /Hg
- Insoluble in water
- Density 0,995 - 1,015 g/cm3 at 20 deg C
- Flash point >61 deg C (CC)

9.2 Other information

- None
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10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Avoid overheating

10.5 Incompatible materials

- May cause rubber to swell
- Incompatible with strong oxidizing substances
- Contact with alkaline earth metals may form explosive gases
- Contact with alkali metals may form explosive gases

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides
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11 Toxicological information

11.1 Information on toxicological effects

- No experimental data available

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
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12 Ecological information

12.1 Toxicity

- May cause long term adverse effects in the aquatic environment (R53)
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12 Ecological information (...)

- LC50 (fish) Acute: (Estimated - Kerosine) 1-10 mg/l (96 hr)
- LC50 (fish) Acute: (Naphta) 10-100 mg/l (96 hr)
- LC50 (fish) Acute: (Xylenol) <1 mg/l (96 hr)
- LC50 (fish) Acute: (Dichlorotoluene) 3,1 mg/l (96 hr)

12.2 Persistence and degradability

- Most components in this product are not readily biodegradable.

12.3 Bioaccumulation Potential

12.4 Mobility in soil

- Emulsifies in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 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.
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13 Disposal considerations

13.1 Waste treatment methods

- 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

Classification

- EU Waste class: 07.01
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14 Transport information



Toxic



Marine Pollutant

14.1 UN Number

- UN2810

14.2 UN Proper Shipping Name

- Toxic liquid, organic, n.o.s. (Xylenol, Dichlorotoluene mixture)

14.3 Transport hazard class(es)

- 6.1

14.4 Packing group

- III

14.5 Environmental hazards

- Marine pollutant

14.6 Special precautions for user

- No special precautions are required for this product
 - Normally supplied/transported in steel drums
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14 Transport information (....)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	Toxic liquid, organic, n.o.s. (Xylenol, Dichlorotoluene)		
ADR UN No.:	UN2810	ADR Hazard Class:	6.1
ADR Packing Group:	III	ADR subrisk:	N/A
ADR Flashpoint:	>61		

Sea (IMDG)

Proper Shipping Name:	Toxic liquid, organic, n.o.s. (Xylenol, Dichlorotoluene)		
IMDG UN No.:	UN2810	IMDG Hazard Class.:	6.1
IMDG Pack Group.:	III	IMDG EmS:	F-A, S-A
IMDG subrisk:	N/A	IMDG Flashpoint:	>61

Air (ICAO/IATA)

Proper Shipping Name:	Toxic liquid, organic, n.o.s. (Xylenol, Dichlorotoluene)		
ICAO Un No.:	UN2810	ICAO Hazard Class.:	6.1
ICAO Packing Group.:	III	ICAO subrisk:	N/A
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 Flashpoint:	>61		

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
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- Composition information in accordance with Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:

- Aromatic hydrocarbons	10-30	%
- Aliphatic hydrocarbons	10-30	%
- Anionic surfactants	5-15	%

15.2 Chemical Safety Assessment

None

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; R38: Irritating to skin; 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