
SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

SECTION 1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: CARBONCLEAN LT
- Product Part Number: 575696 (25 liter)

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

- Use of the substance/mixture: 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 4877 777 Fax: +31 4877 888
- Strandveien 20, N1324 Lysaker
- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775

1.4 Emergency telephone number

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
- International 24hrs Emergency NCEC: + 44 1865 407333
- American Chemistry Council 24hrs +1 703 527 3887
- American 24hrs Emergency CHEMTREC (800) 424 9300
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

SECTION 2 Hazards identification**2.1 Classification of the substance or mixture**

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Symbols: Xi
- Risk of serious damage to eyes (R41)

SECTION 2 Hazards identification (....)

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Signal Word: Danger
- Eye Dam. 1
- Causes serious eye damage (H318).

2.2 Label elements

- Signal Word: Danger
-
- Contains:
 - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 - 2-(2-butoxyethoxy)ethanol
 - Primary C9-C11 alcoholethoxylate
 - Fatty alcohol ethoxylate
 - Quaternary C12-C14 alkylamine ethoxylate, chloride
- Hazard phrases
 - Causes serious eye damage (H318).
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician (P301+P310).
 - Do NOT induce vomiting (P331).

2.3 Other hazards

- Not applicable
- Appearance: Liquid, light, yellow, miscible with water
- Odour: Hydrocarbon odour, Solvent odour
- Not a PBT according to REACH Annex XIII

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 - Concentration: 5-10%
 - CAS Number: Not applicable
 - EC Number: 919-164-8
 - R/H Phrases: R65, R66 - H304, H412
 - Symbols: Xn, N, GHS09, GHS08, GHS07
 - Categories: Asp. Tox. 1, Aquatic Chronic 3
 - REACH REG. NO: 01-21194739 77-17-0004
- 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
 - Concentration: 5-10%
 - CAS Number: 112-34-5
 - EC Number: 203-961-6
 - R/H Phrases: R36 - H319

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

Symbols: GHS07, Xi

Categories: Eye Irrit. 2

- Fatty alcohol ethoxylate
Concentration: 5-10%
CAS Number: 160875-66-1
EC Number: Not applicable
R/H Phrases: R41 - H318
Symbols: Xi, GHS05
Categories: Eye Dam. 1
 - Primary C9-C11 alcoholethoxylate
Concentration: 10-30%
CAS Number: 68439-46-3
EC Number: Not applicable
R/H Phrases: R38, R41 - H318
Symbols: Xi, GHS05
Categories: Skin Irrit. 2, Eye Dam. 1
 - Quaternary C12-C14 alkyleamine ethoxylate, chloride
Concentration: 1-5%
CAS Number: 863679-20-3
EC Number: Not applicable
R/H Phrases: R38, R41, R22 - H302, H318, H315
Symbols: Xn, GHS07, GHS05
Categories: Acute Tox. 4, Eye Dam. 1, Skin Irrit. 2
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SECTION 4 First aid measures**4.1 Description of first aid measures**

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Call a POISON CENTER or doctor/physician (P311).
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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 (P305+P351+P338).
- Get medical advice/attention (P313).
-
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353).
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes
- May cause redness and irritation

4.3 Indication of any immediate medical attention and special treatment needed

- No information available

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, alcohol resistant foam or dry agent for extinction (P370+P378)

5.2 Special hazards arising from the substance or mixture

- Carbon oxides may be formed
- Carbon dioxide may be formed

5.3 Advice for firefighters

- Substance evolves toxic fumes, wear self-contained breathing apparatus
-

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

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

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8
- Eyewash bottles should be available
- Do not get in eyes, on skin, or on clothing (P262).

7.2 Conditions for safe storage, including any incompatibilities

- Protect from heat

7.3 Specific end use(s)

- Contact supplier for further information
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
TLV (TWA) 275 mg/m3 ()
- 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
CAS:112-34-5
Lowest vallue:TLV (TWA) 10 ppm, 50mg/m3
European Union: TLV (TWA) 10 ppm, 67,5 mg/m3

8.2 Exposure controls

- No special ventilation is required unless the product is used in a spray form

8.3 Occupational exposure controls



SECTION 8 Exposure controls/personal protection (....)

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
 - Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - Wear suitable respiratory protection. Gas cartridge (organic substances).
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Solvent odour, Hydrocarbon odour
- Appearance: Liquid, pale yellow, soluble in water
- pH 11-12 at 100 % concentration
- Boiling point >100 °C to 760 °C
- Density: Density 0,950 - 0,960 g/cm³ at 20 deg C
- Vapour pressure - not known
- Completely soluble in water
- Flash point >61 deg C (CC)

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- 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

- Keep away from frost

10.5 Incompatible materials

- None

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (Alkoholethoxylate) 300-2000 mg/kg
- LD50 (oral,rat) (2-(2-butoksyetoksy)etanol) >2000 mg/kg
- LD50 (oral,rat) (Quaternary C12-C14 alkyleamine ethoxylate, chloride) 300-2000 mg/kg

11.2 Contact with eyes

- Causes irritation
- Can cause damage to the eyes

11.3 Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

11.4 Ingestion

SECTION 11 Toxicological information (....)

- The ingestion of significant quantities may cause gastro-intestinal disturbances
- 11.5 Inhalation
- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
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SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (Alcohol ethoxylate) 1-10 mg/l (96 hr)
- LC50 (fish) (2-(2-butoxyethoxy)ethanol) >100 mg/l (96 hr)
- LC50 (fish) (Hydrocarbons) 10-100 mg/l (96 hr)
- LC50 (fish) (Quaternary C12-C14 alkylamine ethoxylate, chloride) >10-100 mg/l (96 hr)

12.2 Persistence and degradability

- The components in this product are readily biodegradable.

12.3 Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- Not applicable
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SECTION 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

13.2 Classification

- EU Waste class: 07 06 01
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SECTION 14 Transport information

14.1 UN

- UN No.: Not applicable
- Proper Shipping Name: Not applicable
- Hazard Class: Not applicable
- Packing Group: Not applicable

Not classified as hazardous for transport

Not classified as hazardous for transport

14.2 Environmental hazards

- Not Classified

14.3 Special precautions for user

- Not Classified

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

- Not applicable

14.5 Road/Rail (ADR/RID)

SECTION 14 Transport information (....)

- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable

14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable

14.7 Air (ICAO/IATA)

- ICAO UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

14.8 DOT / CFR (US Department of Transportation)

- Identification Number: Not applicable
 - DOT Proper Shipping Name: Not applicable
 - DOT Labels: Not applicable
 - Product RQ (lbs): Not applicable
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SECTION 15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
-
- Norwegian Productregistration no: 17132
- Does not contain phosphate.
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- Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents:

- Aromatic hydrocarbons	5-15	%
- Nonionic surfactants	15-30	%
- Cationic surfactants	<5	%

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects. R22: Harmful if swallowed. R36: Irritating to eyes. R38: Irritating to skin. R41: Risk of serious damage to eyes. R65: Harmful: may cause lung damage if

SECTION 16 Other information (....)

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 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

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 most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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