

SAFETY DATA SHEET

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

Product Name: CLEANBREAK
Datasheet Number: 571497 6. 0. 0
Use of the substance/preparation: Cleaning agent
Product Part Number: 571497 (25 liter), 571505 (210 liter)
Name of Supplier: Wilhelmsen Maritime Services AS
Address of Supplier: Willem Barentszstraat 50
 3165 AB Rotterdam-Albrandswaard, The Netherlands

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Responsible Person: Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736
Email: Leen.de.Visser@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: NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
White spirit (de-aromatized)	60-100	64742-48-9	265-150-3	65, 66	Xn
Sodium petroleum sulphonate	5-10	68608-26-4	271-781-5	36	Xi

*See Section 16

3 Hazards identification

- Odour: Smells of hydrocarbon
- Appearance: Liquid, brown, insoluble in water
- Contact with eyes: Causes redness and irritation
- Contact with skin: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Inhalation: In cases of severe exposure, anaesthesia may develop, May cause chronic pneumonitis, May cause coughing
- Ingestion: Harmful: may cause lung damage if swallowed (R65), The ingestion of significant quantities may cause nausea/vomiting



Harmful

4 First aid measures

Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water
- Contaminated clothing should be laundered before reuse
- Seek medical attention if irritation persists

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
- When in doubt or symptoms persist, seek medical attention

Ingestion

- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain

4 First aid measures (....)

immediate medical attention

- If vomiting occurs turn patient on side
- Obtain immediate medical attention

Inhalation

- Remove patient to fresh air
- Seek medical attention if ill effects occur

General

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

5 Fire-fighting measures

- Auto-ignition point 225 deg C at 760 mm Hg
- Flash point 66 deg C (CC)
- Decomposition products may include carbon oxides
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide (S43)
- Do not use water jets
- 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

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

Immediate Actions

- Contain spillage by any means possible

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

- Do not allow to enter public sewers and watercourses
- Wear protective clothing as per section 8

7 Handling and storage

Handling

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

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
- Keep container tightly closed (S7)
- Keep away from open flames, hot surfaces and sources of ignition.

8 Exposure controls and personal protection

Exposure Limits

- TLV (TWA) 275 mg/m3 (White spirit (de-aromatized))

Exposure controls

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

Occupational exposure controls

- No respiratory protection is required unless subject to contact with substance mist
- During fumigation/spraying wear suitable respiratory equipment (S42)
- Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)



Gloves



Suit



Goggles



No Smoking

9 Physical and chemical properties

- Odour: Smells of hydrocarbon
 - Appearance: Liquid, brown, insoluble in water
 - pH - not applicable
 - Boiling point 195 °C at 760 mm /Hg
 - Vapour pressure 1 mbar
 - Vapour density (air = 1) >1
 - Melting point - not known
 - Insoluble in water
 - Specific gravity (water=1) 0.79
 - Flash point 66 deg C (CC)
 - Auto-ignition point 225 deg C at 760 mm Hg
 - Lower explosive limit 0.6 % (in air)
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10 Stability and reactivity

- This article is considered stable under normal conditions
 - Keep away from naked flames, incandescent or hot surfaces
 - See Section 5
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11 Toxicological information

Toxicological information

- No experimental data available

Inhalation

- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Contact with skin

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

Contact with eyes

- May cause redness and irritation

Ingestion

- The ingestion of significant quantities may cause gastro-intestinal disturbances
- Aspiration hazard

Carcinogenicity

- No evidence of carcinogenic effects
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12 Ecological information

Ecotoxicity

- This product has been evaluated on its behaviour in the environment by "The TNO Institute of Environmental Sciences" (The Netherlands organisation for applied Scientific Research).
- Based upon their report, IMO's BCH Working Group on the Evaluation of Safety and Pollution Hazards approved this product for use as tank cleaning agent by chemical tankers.
- Naphtha :
- LC50 (fish) >100 mg/l (96 hr)
- EC50 (daphnia) >100 mg/l (72 hr)
- IC50 (algae) >100 mg/l (72 hr)

Mobility

- Insoluble in water

Persistence and Biodegradability

- BOD28/COD > 60% (Naphtha)
- Sodium petroleum sulphonate:
- Not readily biodegradable

Bioaccumulation Potential

- No information available

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

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

- Not classified as hazardous for transport

15 Regulatory information



Harmful

Risk Phrases

- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)

Safety Phrases

- Do not breathe spray/mists (S23)
- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R36: Irritating to eyes; 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)

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

Aliphatic hydrocarbons	>30	%
Anionic surfactants	5-15	%