
SAFETY DATA SHEET

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

- Product Name: DUAL PURPOSE PLUS
- Product Part Number: 571166 (25 liter), 571182 (210 liter)

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

- Fuel treatment

1.3 Details of the supplier of the safety data sheet**Head Office:**

Wilhelmsen Ships Service AS
Strandveien 20, N1324 Lysaker,
Norway Tel: (47) 6349 440 35

Supplier:

Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
Telephone: +31 4877 777
Fax: +31 4877 888
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

Product HSE Manager, Tel.: +31 10 4877775
Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

-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 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

****FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES****

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: Xn
- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)
- Contains 2-piperazin-1-ylethylamine. May produce an allergic reaction.
-
- Classification according to Regulation (EC) No 1272/2008
- Signal Word: Danger
- Symbols: GHS08
- Asp. Tox. 1

SECTION 2 Hazards identification (....)

- Aquatic Chronic 3

2.2 Label elements

GHS: health hazard

- Signal Word: Danger
-
- Contains:
 - Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 - N-Oleyl-1,3-diaminopropane
 - 2-piperazin-1-ylethylamine
-
- Hazard phrases
 - Repeated exposure may cause skin dryness or cracking (EUH066).
 - May be fatal if swallowed and enters airways (H304).
 - Harmful to aquatic life with long lasting effects (H412).
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - Avoid breathing dust/fume/gas/mist/vapours/spray (P261).
 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
 - Immediately call a POISON CENTER or doctor/physician (P310).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - Call a POISON CENTER or doctor/physician if you feel unwell (P312).
 - Dispose of contents/container to an authorised waste collection point (P501)

2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII
- Appearance: Liquid, dark, brown, insoluble in water
- Odour: Hydrocarbon odour

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

- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
 - Concentration: 60-100%
 - CAS Number: Not applicable
 - EC Number: 919-164-8
 - R/H Phrases: R65, R66 - H304, EUH066, H412
 - Symbols: Xn, GHS08
 - Categories: Asp. Tox. 1, Aquatic Chronic 3
 - REACH NO: 01-21194739 77-17-0004
- N-Oleyl-1,3-diaminopropane
 - Concentration: 0-1%
 - CAS Number: 7173-62-8
 - EC Number: Not applicable
 - R/H Phrases: R22, R34, R50
 - Symbols: C, N
 - Categories: Not applicable
- 2-piperazin-1-ylethylamine
 - Concentration: 0,05%
 - CAS Number: 140-31-8
 - EC Number: 205-411-0

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

R/H Phrases: R-21/22, R-34, R-43, R52/53

Symbols: C

Categories: Not applicable

SECTION 4 First aid measures

4.1 Description of first aid measures

- 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
- Contact with skin: Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water, Contaminated clothing should be laundered before reuse, Seek medical attention if irritation persists
- Ingestion: Obtain immediate medical attention, Do NOT induce vomiting (P331)., Give plenty of water to drink, If vomiting occurs turn patient on side, Never make an unconscious person vomit or drink fluids
- Inhalation: Remove patient to fresh air, Seek medical attention if ill effects occur

4.2 Most important symptoms and effects, both acute and delayed

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Severely irritating to eyes
- The ingestion of significant quantities may cause chemical oedema

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- Do not use water jets
- In case of fire: use dry sand or dry salt for extinction (P370+P378)
- In case of fire: use foam, carbon dioxide or dry agent for extinction (P370+P378)

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- Carbon oxides may be formed
- Carbon dioxide may be formed
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

5.3 Advice for firefighters

- Prevent run off water from entering drains if possible
 - Wear chemical protection suit and positive-pressure breathing apparatus
-

SECTION 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
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SECTION 6 Accidental release measures (....)

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Do not get in eyes, on skin, or on clothing (P262).
- Do not breathe dust/fume/gas/mist/vapours/spray (P260).
- Eyewash bottles should be available
- Wear protective clothing as per section 8

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from open flames, hot surfaces and sources of ignition.
- Store in a dry place. Store in a closed container (P402+P404).
- Store in a well-ventilated place (P403).

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 ()

8.2 Exposure controls

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

8.3 Occupational exposure controls



Gloves



Suit



Goggles



Respirator

- No respiratory protection is required unless subject to contact with substance mist
 - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
 - Wear suitable respiratory protection. Gas cartridge (organic substances).
 - Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile 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.
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SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Smells of hydrocarbon
- Appearance: Liquid, dark, brown, insoluble in water
- pH - not applicable
- Boiling point 170 °C to 210 °C at 760 mm /Hg
- Insoluble in water
- Density 0,825-0,845 g/cm3 at 20 deg C
- Flash point >62 deg C (CC)
- Auto-ignition point >200 deg C
- Lower explosive limit 0.6 % (in air)
- Upper explosive limit 7 % (in air)

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

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

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

- Keep away from heat and sources of ignition
- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

- None

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon dioxide
 - Decomposition products may include carbon oxides
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral, rat) (Hydrocarbones) >5000 mg/kg

11.2 Contact with eyes

- Causes irritation

11.3 Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- Contains 2-piperazin-1-ylethylamine . May produce an allergic reaction (EUH208).

11.4 Ingestion

- Aspiration hazard
- The ingestion of significant quantities may cause chemical oedema

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

- This product contains components which are classified in the EU as dangerous for the environment.
- LC50 (fish) (N-Oleyl-1,3-diaminopropane) <1 mg/l (96 hr)
- LC50 (Daphnia magna) (N-Oleyl-1,3-diaminopropane) <1 mg/l (48 hr)
- LC50 (Daphnia magna) (N-Oleyl-1,3-diaminopropane) <1 mg/l (72 hr)
- Biodegradability. OECD-test. 28 days 60 % (N-Oleyl-1,3-diaminopropane)
- LC50 (fish) (Hydrocarbones) 10-100 mg/l (96 hr)

12.2 Persistence and degradability

- The components in this product are readily biodegradable.

SECTION 12 Ecological information (....)

12.3 Bioaccumulation Potential

- Hydrocarbon solvents have the potential to bioaccumulate.

12.4 Mobility in soil

- Insoluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- Not available
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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 01 01
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN

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

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)

- 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

SECTION 14 Transport information (....)

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

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Refer to The Dangerous Substances Directive (67/548/EEC)
- Classification according to Regulation (EC) No 1272/2008
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

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:- EUH066: Repeated exposure may cause skin dryness or cracking. H304: May be fatal if swallowed and enters airways. H412: Harmful to aquatic life with long lasting effects. R22: Harmful if swallowed. R34: Causes burns. R50: Very toxic to aquatic organisms. R52/53: Harmful to aquatic organisms, 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 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

SECTION 16 Other information (....)

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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