

SAFETY DATA SHEET

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

Product Name:	DUAL PURPOSE PLUS
Datasheet Number:	571166 10. 0. 0
Use of the substance/preparation:	Fuel treatment
Product Part Number:	571166 (25 liter), 571182 (210 liter)
Head Office::	Wilhelmsen Ships Service AS
address:	Strandveien 20, N1324 Lysaker, Norway, Tel: (+47) 67 58 45 50
Name of Supplier:	Wilhelmsen Ships Service AS
Address of Supplier:	Willem Barentszstraat 50 3165AB Rotterdam
	The Netherlands
Telephone:	+31 10 4877 777
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Responsible Person:	Patrick Rijdsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
Email:	Patrick.Rijdsdijk@Wilhelmsen.com
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2 Hazards identification



Harmful

- Odour: Smells of hydrocarbon
- Appearance: Liquid, dark, 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, May cause nausea/vomiting
- Ingestion: Harmful: may cause lung damage if swallowed (R65), The ingestion of significant quantities may cause chronic pneumonitis

Classification of the substance or mixture

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
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- Contains 2-piperazin-1-ylethylamine . May produce an allergic reaction.

Risk Phrases

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

Safety Phrases

- Do not breathe vapour/fumes (S23)
- Do not breathe spray/mists (S23)
- Do not breathe gas (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)

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Naphtha (petroleum), hydrodesulfurized heavy	60-100	64742-82-1	265-185-4	65, 66	Xn
N-Oleyl-1,3-diaminopropane	0-1	7173-62-8	230-528-9	22, 34, 50	C, N
2-piperazin-1-ylethylamine	0,05	140-31-8	205-411-0	21/22, R-34, R-43, 52/53	C

*See Section 16

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

- If vomiting occurs turn patient on side
- Obtain immediate medical attention
- Give plenty of water to drink
- Do NOT induce vomiting.
- Never make an unconscious person vomit or drink fluids

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)
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5 Fire-fighting measures

- Auto-ignition point >200 deg C
 - Flash point >62 deg C (CC)
 - Carbon oxides may be formed, Carbon dioxide may be formed
 - 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
 - Wear chemical protection suit and positive-pressure breathing apparatus
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6 Accidental release measures

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

Environmental Precautions

- Do not allow to enter public sewers and watercourses
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6 Accidental release measures (....)

Immediate Actions

- Contain spillage by any means possible

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

Special Precautions

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

Precautions for safe handling

- Avoid contact with skin and eyes (S24/25)
- Eyewash bottles should be available
- Wear protective clothing as per section 8

Conditions for safe storage, including any incompatibilities

- 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.
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8 Exposure controls/personal protection

Control parameters

- Naphtha (petroleum), hydrodesulfurized heavy
TLV (TWA) 275 mg/m³ ()

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, 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)
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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

Information on toxicological effects

- 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
- Contains 2-piperazin-1-ylethylamine . May produce an allergic reaction.

Contact with eyes

- Causes irritation

Ingestion

- Aspiration hazard
 - Harmful: may cause lung damage if swallowed (R65)
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12 Ecological information

Ecotoxicity

- May cause acute effects in the aquatic environment
- 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)
- Biodegradability. OECD-test. 28 days 60 % (N-Oleyl-1,3-diaminopropane)
- LC50 (fish) (Naphta) 10-100 mg/l (96 hr)

Persistence and degradability

- The components in this product are readily biodegradable.

Mobility in soil

- Insoluble in water

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

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
 - This material and/or its container must be disposed of as hazardous waste
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14 Transport information

Special precautions for user

- Not classified as hazardous for transport
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15 Regulatory information

Classification and labelling

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
 - Refer to current The Dangerous Substances Directive (67/548/EEC)
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15 Regulatory information (....)

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.

Safety Phrases

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16 Other information

Text of R and S phrase codes used in this safety data sheet:- R21/22: Harmful in contact with skin and if swallowed; R22: Harmful if swallowed; R34: Causes burns; R43: May cause sensitisation by skin contact; 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 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