

SAFETY DATA SHEET

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

Product Name:	AIR COOLER CLEANER
Datasheet Number:	571588 11. 0. 0
Use of the substance/preparation:	Cleaning agent
Product Part Number:	571588 (25 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
Fax:	+31 10 4877 888
Responsible Person:	Patrick Rijdsdijk, Product HSE Manager, Tel.:+31 6 349 440 35
Email:	Patrick.Rijdsdijk@Wilhelmsen.com
Emergency Telephone:	**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 7793777

2 Hazards identification



Harmful



Dangerous for the Environment

- Odour: Characteristic odour, Sweet-smelling
- Appearance: Liquid, dispersible in water, light, brown
- Contact with eyes: May cause severe irritation
- Contact with skin: Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis, Can be absorbed through skin
- Inhalation: In cases of severe exposure, nausea/vomiting may develop, May cause narcosis
- Ingestion: Can cause damage to the liver, The ingestion of significant quantities may cause damage to lungs
- Dangerous for the Environment

Classification of the substance or mixture

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

Risk Phrases

- Limited evidence of carcinogenic effect (R40)
- Harmful: may cause lung damage if swallowed (R65)
- Repeated exposure may cause skin dryness or cracking (R66)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

Safety Phrases

- Do not breathe spray/mists (S23)
- Avoid contact with skin and eyes (S24/25)
- Wear suitable protective clothing and gloves (S36/37)
- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
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2 Hazards identification (....)

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

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Tetrachloroethylene	30-60	127-18-4	204-825-9	40, 51/53	Xn, N
Kerosine, unspecified	30-60	64742-94-5	265-198-5	65, 66, 51/53	Xn, N
Naphtha (petroleum), hydrodesulfurized heavy	10-30	64742-82-1	265-185-4	65, 66	Xn
Fatty amine ethoxylate	<5	61791-26-2	500-153-8	22, 41, 51/53	Xn, N

*See Section 16

4 First aid measures

Contact with skin

- Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
- When in doubt or symptoms persist, seek medical attention

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Seek medical advice

Ingestion

- Never give anything by mouth to an unconscious person
- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)
- Give 200-300mls (half pint) water to drink
- If vomiting occurs turn patient on side

Inhalation

- Remove patient to fresh air
- When in doubt or symptoms persist, seek medical attention

General

- If you feel unwell, seek medical advice (show the label where possible) (S44)

5 Fire-fighting measures

- Flash point >61 deg C (CC)
- Acidic and toxic gases may be formed, Carbon oxides may be formed, Carbon dioxide may be formed
- May be extinguished with water fog/spray. Use alcohol resistant foam if available
- Do not use water jets
- 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

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

Environmental Precautions

- Do not allow to enter public sewers and watercourses

6 Accidental release measures (....)

Immediate Actions

- Use appropriate containment to avoid environmental contamination (S57)

Methods and material for containment and cleaning up

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

Special Precautions

- Wear protective clothing as per section 8
 - Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
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7 Handling and storage

Precautions for safe handling

- Avoid contact with skin and eyes (S24/25)
- Do not breathe vapours excessively
- See 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)
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8 Exposure controls/personal protection

Control parameters

- Tetrachloroethylene
TLV (TWA) 40 mg/m³ ()
- Kerosine, unspecified
TLV (TWA) 120 mg/m³ ()
- 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

- Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)
- Wear approved respirator if exposure likely to exceed MEL/OES



Gloves



Goggles



Suit



Respirator

Environmental exposure controls

- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
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9 Physical and chemical properties

- Odour: Characteristic odour, Sweet-smelling
- Appearance: Liquid, dispersible in water, light, brown
- pH - not applicable
- Boiling point 121 °C to 210 °C at 760 mm /Hg
- Vapour pressure - not known
- Vapour density (air = 1) >1
- Specific gravity (water=1) 1.085 - 1.140
- Flash point >61 deg C (CC)

10 Stability and reactivity

- This article is considered stable under normal conditions
 - Avoid overheating, Keep away from frost
 - Contact with alkaline earth metals liberates toxic and flammable gas, Contact with oxidizing substances may form explosive gases
 - Decomposition products may include carbon oxides, Decomposition products may include carbon dioxide, Decomposition products may include acidic and toxic gases
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11 Toxicological information

Information on toxicological effects

- No experimental data available

Inhalation

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- May cause nausea/vomiting

Contact with skin

- Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
- May cause redness and irritation
- Can be absorbed through skin

Contact with eyes

- May cause severe irritation

Ingestion

- Can cause damage to the liver
- The ingestion of significant quantities may cause damage to lungs

Carcinogenicity

- Category 3 Carcinogen
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12 Ecological information

Ecotoxicity

- This product contains components which are classified in the EU as dangerous for the environment.
- LC50 (fish) (estimated-kerosene) 1-10 mg/l (96 hr)
- LC50 (fish) (Naphta) 10-100 mg/l (96 hr)
- LC50 (fish) (tetrachloroethylene) 1-10 mg/l (96 hr)
- LC50 (fish) (Fatty amine ethoxylate) 1-10 mg/l (96 hr)
- Biodegradability. OECD-test. 28 days <60 % (tetrachloroethylene)

Persistence and degradability

- Most components in this product are not readily biodegradable.

Bioaccumulation Potential

- Low bioaccumulation potential

Mobility in soil

- Emulsifies 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
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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 03

14 Transport information

Toxic



Marine Pollutant

Proper Shipping Name: TETRACHLOROETHYLENE

Road/Rail (ADR/RID)

Proper Shipping Name:	Tetrachloroethylene		
ADR UN No.:	UN1897	ADR Hazard Class:	6.1
ADR Packing Group:	III	ADR subrisk:	N/A
ADR Flashpoint:	>61 C°		

Sea (IMDG)

Proper Shipping Name:	Tetrachloroethylene		
IMDG UN No.:	UN1897	IMDG Hazard Class.:	6.1
IMDG Pack Group.:	III	IMDG EmS:	F-A, S-A
IMDG subrisk:	N/A	IMDG Flashpoint:	>61 C°

Air (ICAO/IATA)

Proper Shipping Name:	Tetrachloroethylene		
ICAO Un No.:	UN1897	ICAO Hazard Class.:	6.1
ICAO Packing Group.:	III	ICAO subrisk:	N/A
ICAO Flashpoint:	>61 C°		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Tetrachloroethylene		
Hazardous Material:	Tetrachloroethylene		
Hazard Class:	6.1	Identification Number:	UN1897
Product RQ (lbs):	100	DOT subrisk:	N/A
DOT Flashpoint:	>61 C°		

Special precautions for user

- Marine pollutant

15 Regulatory information

Classification and labelling

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

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.
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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:
- Halogenated hydrocarbons >30 %
- Aromatic hydrocarbons 10-30 %
- Aliphatic hydrocarbons 10-30 %

15 Regulatory information (....)

- Anionic surfactants	<5	%
- Nonionic surfactants	<5	%

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R22: Harmful if swallowed; R40: Limited evidence of carcinogenic effect; R41: Risk of serious damage to eyes; R51/53: Toxic 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