

SAFETY DATA SHEET

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

Product Name: **AIR COOLER CLEANER**
 Datasheet Number: 571588 8. 0. 0
 Use of the substance/preparation: Cleaning agent
 Product Part Number: 571588 (25 liter)
 Name of Supplier: Wilhelmsen Ships Service AS
 Address of Supplier: Willem Barentszstraat 50
 3165AB
 Rotterdam
 The Neherlands
 Telephone: +31 10 4877 777
 Fax: +31 10 4877 888
 Responsible Person: Patrick Rijsdijk, Product HSE Manager, Tel.: +31 6 349 440 35
 Email: Patrick.Rijsdijk@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: ****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

- 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: Harmful: may cause lung damage if swallowed (R65), Can cause damage to the liver
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)
- Category 3 Carcinogen
- Limited evidence of carcinogenic effect (R40)



Harmful



Dangerous for the Environment

3 Composition/information on ingredients

| Chemical Name | Concentration | CAS Number | EC Number | R 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 |

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

| | | | | | |
|--|-------|------------|-----------|---------------|-------|
| Naphtha (petroleum), hydrosulfurized 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 >80 deg C (CC)
 - Decomposition products may include halogen compounds and oxides of carbon/nitrogen/sulphur
 - May be extinguished with water fog/spray. Use alcohol resistant foam if available
 - Do not use water jets
 - Wear Breathing Apparatus
 - 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

- Use appropriate containment to avoid environmental contamination (S57)

Clean Up Actions

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

6 Accidental release measures (....)

Special Precautions

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

7 Handling and storage

Handling

- Avoid contact with skin and eyes (S24/25)
- Do not breathe vapours excessively
- See Section 8

Storage

- Keep only in the original container in a cool, well ventilated place (S3/9/49)
 - Keep container tightly closed (S7)
-

8 Exposure controls and personal protection

Exposure Limits

- TLV (TWA) 50 mg/m³ (Tetrachloroethylene)

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)
-

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 >80 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 phosgene, Decomposition products may include carbon oxides
-

11 Toxicological information

Toxicological information

- 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
 - Limited evidence of carcinogenic effect (R40)
-

12 Ecological information

Ecotoxicity

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

Mobility

- Emulsifies in water

Persistence and Biodegradability

- Most components in this product are not readily biodegradable.

Bioaccumulation Potential

- Low bioaccumulation potential

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 03

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
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14 Transport information

14 Transport information (....)

Toxic



Marine Pollutant

Proper Shipping Name: TETRACHLOROETHYLENE

Emergency Action Code

UN

Road/Rail (ADR/RID)

| | | | |
|-----------------------|---------------------|-------------------|--------|
| Proper Shipping Name: | Tetrachloroethylene | ADR Hazard Class: | 6.1 |
| ADR UN No.: | UN1897 | ADR subrisk: | N/A |
| ADR Packing Group: | III | ADR Flashpoint: | >80 C° |
| ADR-RID Labels: | 6.1 + MAR. POL | | |

Sea (IMDG)

| | | | |
|-----------------------|---------------------|---------------------|----------------|
| Proper Shipping Name: | Tetrachloroethylene | IMDG Hazard Class.: | 6.1 |
| IMDG UN No.: | UN1897 | IMDG EmS: | F-A, S-A |
| IMDG Pack Group.: | III | IMDG Labels: | 6.1 + MAR. POL |
| IMDG subrisk: | N/A | | |
| IMDG Flashpoint: | >80 C° | | |

Air (ICAO/IATA)

| | | | |
|-----------------------|---------------------|---------------------|--------|
| Proper Shipping Name: | Tetrachloroethylene | ICAO Hazard Class.: | 6.1 |
| ICAO Un No.: | UN1897 | ICAO subrisk: | N/A |
| ICAO Packing Group.: | III | ICAO Flashpoint: | >80 C° |
| ICAO Labels: | 6.1 + MAR. POL | | |

DOT / CFR (US Department of Transportation)

| | | | |
|---------------------------|---------------------|-------------------|----------------|
| DOT Proper Shipping Name: | Tetrachloroethylene | Hazard Class: | 6.1 |
| Hazardous Material: | Tetrachloroethylene | Product RQ (lbs): | 100 |
| Identification Number: | UN1897 | DOT Labels: | 6.1 + MAR. POL |
| DOT subrisk: | N/A | | |
| DOT Flashpoint: | >80 C° | | |

Transport information

- Marine pollutant

15 Regulatory information

Harmful



Dangerous for the Environment

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)

15 Regulatory information (....)

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

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

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:

| | | |
|--------------------------|-------|---|
| Halogenated hydrocarbons | >30 | % |
| Aromatic hydrocarbons | 10-30 | % |
| Aliphatic hydrocarbons | 10-30 | % |
| Anionic surfactants | <5 | % |
| Nonionic surfactants | <5 | % |