



Revision: 16 Oct 2013

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: OXYGEN SCAVENGER 9-002
- Product Part Number: 777712 (25L Plastic)

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

- Use of the substance/preparation:
- Boiler water treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier:

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

-
- Responsible Person: Product HSE Manager
- Telephone: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: +31 4877 777

1.4 Emergency telephone number

Emergency Telephone: -ONLY TO BE USED IN CASE OF AN INCIDENTNCEC:+

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

- Not hazardous according to current The Dangerous Substances Directive (67/548/EEC)
- This product is not classified as hazardous according to Directive 1999/45/EEC
-
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Symbols: GHS07
- Signal Word: Warning
- Skin Sens. 1
- Aquatic Chronic 3

SECTION 2 Hazards identification (....)

- May cause an allergic skin reaction (H317).
- Harmful to aquatic life with long lasting effects (H412).

2.2 Label elements



- Signal Word: Warning
-
- Contains:
- Carbonylhydrazide
-
- Hazard phrases
 - May cause an allergic skin reaction (H317).
 - Harmful to aquatic life with long lasting effects (H412).
- Precautionary Phrases
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF ON SKIN: Wash with plenty of soap and water (P302+P352).
 - If skin irritation or rash occurs: Get medical advice/attention (P333+P313).
 - Avoid release to the environment (P273).

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Odour: None
- Appearance: Liquid, pale yellow
- Contact with eyes: May cause irritation
- Contact with skin: May cause irritation
- Inhalation: Mildly irritating to respiratory system
- Ingestion: Not regarded as a potential route of exposure., No information available

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Carbonylhydrazide
 - Concentration: 5-10%
 - CAS Number: 497-18-7
 - EC Number: 207-837-2
 - Symbols: Xn, N, GHS09, GHS07
 - R/H Phrases: R5, R22, R36/37/38
 - R51/53 - H302, H315, H317, H411
 - Categories: Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- Seek medical attention if irritation persists
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- When in doubt or symptoms persist, seek medical attention
-
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- Remove patient to fresh air
-

SECTION 4 First aid measures (....)

- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
 - When in doubt or symptoms persist, seek medical attention
- 4.2 Most important symptoms and effects, both acute and delayed
- In cases of severe exposure, irritation may develop
- 4.3 Indication of any immediate medical attention and special treatment needed
- No information available
-

SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media
- May be extinguished with water fog/spray. Use alcohol resistant foam if available
- 5.2 Special hazards arising from the substance or mixture
- Keep container(s) exposed to fire cool, by spraying with water
 - No hazard expected under normal conditions of use
- 5.3 Advice for firefighters
- 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
 - Remove contaminated clothing
 - Wash thoroughly after dealing with spillage
- 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 earth or sand
 - Ventilate the area and wash spill site after material pick-up is complete
- 6.4 Reference to other sections
- See Section 13
-

SECTION 7 Handling and storage

- 7.1 Precautions for safe handling
- Proper chemicals handling procedures should be adopted
 - Do not get in eyes, on skin, or on clothing (P262).
 - Eyewash bottles should be available
- 7.2 Conditions for safe storage, including any incompatibilities
- Keep in a cool, dry, well ventilated place
- 7.3 Specific end use(s)
- Contact supplier for further information
-

SECTION 8 Exposure controls/personal protection

- 8.1 Control parameters
- Carbonylhydrazide
No exposure limits have been set for this substance
- 8.2 Exposure controls
- Engineering controls should be provided which maintain airborne concentrations as low as practicable
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SECTION 8 Exposure controls/personal protection (....)

8.3 Occupational exposure controls



- Wear rubber or PVC gloves
- Wear nitrile gloves
- 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.
- Wear goggles giving complete eye protection
- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: None
- Appearance: Liquid, pale yellow
- pH 8-9
- Completely soluble in water
- Density 1,015 - 1,030 g/cm³ at 20 deg C

9.2 Other information

- No information available

SECTION 10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.3 Incompatible materials

- Incompatible with acid
- Incompatible with oxidizing substances

10.4 Conditions to avoid

- Avoid overheating
- Keep away from naked flames, incandescent or hot surfaces

10.5 Hazardous Decomposition Products

- No hazardous decomposition products known

SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (Carbohydrazide) 311 mg/kg
- LD50 (skin,rabbit) (Carbohydrazide) >2000 mg/kg

11.2 Contact with eyes

- In cases of severe exposure, redness and irritation may develop

11.3 Contact with skin

- In cases of severe exposure, irritation may develop

11.4 Ingestion

- In cases of severe exposure, gastro-intestinal disturbances may develop

SECTION 11 Toxicological information (....)

11.5 Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
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SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (Carbohydrazide) 190 mg/l (96 hr)
- EC50 (algae) 9,5 mg/l (72 hr)
- LC50 (Daphnia magna) 96 mg/l (48 hr)

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

13.2 Classification

- EU Waste class: 16-03-03
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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 as hazardous for transport

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 subrisk: Not applicable
 - ADR Packing Group: Not applicable
 - ADR Flashpoint: Not applicable
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SECTION 14 Transport information (....)

14.6 Sea (IMDG)

- IMDG UN No.: Not applicable
- Proper Shipping Name: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG subrisk: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG EmS: Not applicable
- IMDG Flashpoint: Not applicable

14.7 Air (ICAO/IATA)

- ICAO Un No.: Not applicable
- Proper Shipping Name: Not applicable
- ICAO Packing Group: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO subrisk: Not applicable
- ICAO Flashpoint: Not applicable

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
 - Hazardous Material: Not applicable
 - Hazard Class: Not applicable
 - DOT subrisk: Not applicable
 - DOT Flashpoint: Not applicable
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SECTION 15 Regulatory information

15.1 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.
- Refer to current The Dangerous Substances Directive (67/548/EEC)
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
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- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

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:- H302: Harmful if swallowed. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H411: Toxic to aquatic life with long lasting effects. R22: Harmful if swallowed. R5: Heating may cause an explosion.

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

SECTION 16 Other information (....)

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

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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