
SAFETY DATA SHEET

1 Identification of the substance or preparation and the supplier

Product Name: **OXYGEN SCAVENGER PLUS**
Datasheet Number: 698712 2.0.0
Use of the substance/preparation: Boiler water treatment
Product Part Number: 698712 (25 liter)

Name of Supplier: Unitor ASA
Address of Supplier: Willem Barentszstraat 50
3165 AB Rotterdam-Albrandswaard
The Netherlands

Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Leen de Visser, Corporate Product Safety Manager, Tel.: +31 6 538 63736

Name of Manufacturer: UNITOR CHEMICALS AS
Address of Manufacturer: P.O.Box 15
3141 Kjøpmannskjær
Norway.
Telephone: +47 333 515 00

Emergency Telephone: NCEC: +44 1865 407333
CHEMTREC (800) 424 9300
CMA +1 703 527 3887
Greece +30 1 7793777

2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Hydroquinone	<1	123-31-9	204-617-8	22, 40, 41, 43, 50, 68	Xn, N
Diethylhydroxylamine 85%	10-30	3710-84-7	223-055-4	10, 20/21, 36/37/38	Xn
Non classified ingredients	60-90				

3 Hazards identification

- Odour: Smells of ammonia
- Appearance: Liquid, pale yellow, soluble in water
- Contact with eyes: Causes irritation
- Contact with skin: Causes irritation, Can be absorbed through skin, Harmful by inhalation and in contact with skin (R20/21)
- Inhalation: Harmful by inhalation and in contact with skin (R20/21)
- Ingestion: The ingestion of significant quantities may cause gastro-intestinal disturbances
- Limited evidence of carcinogenic effect (R40)

3 Hazards identification (....)



Harmful

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
- Seek medical attention if irritation persists
- Contaminated clothing should be laundered before reuse

Contact with eyes

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

Ingestion

- Never make an unconscious person vomit or drink fluids
- Do not induce vomiting
- Give 200-300mls (half pint) water to drink
- Obtain immediate medical attention

Inhalation

- Remove patient to fresh air
- Keep warm and at rest
- 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)

5 Fire-fighting measures

- Non combustible
- Nitrogen and carbon oxides may be formed
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

6 Accidental release measures

Personal Precautions

- Wear protective clothing as per section 8

Environmental Precautions

- No special precautions are required for this product

Clean Up Actions

- Absorb spillage in inert material and shovel up
- 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

7 Handling and storage

Handling

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

Storage

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

8 Exposure controls and personal protection

Exposure Limits

- TLV (TWA) 0.5 mg/m³ (Hydroquinone)

Exposure controls

- No special precautions are required for this product

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Wear approved respirator if exposure likely to exceed MEL/OES



9 Physical and chemical properties

- Odour: Smells of ammonia
- Appearance: Liquid, pale yellow, soluble in water
- pH 10 - 11 at 100 % concentration, pH 8 - 9 at 1 % concentration
- Boiling point ~ 100 °C at 760 mm /Hg
- Vapour pressure - not known
- Vapour density - not known
- Freezing point ~ 0 °C at 760 mm/Hg
- Completely soluble in water
- Specific gravity (water=1) 0.98
- Non combustible

10 Stability and reactivity

- This article is considered stable under normal conditions
- Avoid overheating, Keep away from frost
- Incompatible with oxidizing substances
- See Section 5

11 Toxicological information

Toxicological information

- LD50 (oral,rat) >2100 mg/kg
- LD50 (skin,rabbit) 1300 mg/kg
- LC50 (inhalation,rat) 3140 mg/l/4h
- (Diethylhydroxylamine)

Inhalation

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

Contact with skin

- Causes irritation

Contact with eyes

- Causes irritation

Ingestion

- May cause gastro-intestinal disturbances

Carcinogenicity

- Hydroquinone:
- Category 3 Carcinogen
- Limited evidence of carcinogenic effect (R40)

Mutagenicity

- Hydroquinone:
- Category 3 Mutagen

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.

Mobility

- Completely soluble in water

Persistence and Biodegradability

- Degrades rapidly on exposure to air

Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

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.

12 Ecological information (...)

13 Disposal considerations

Classification

- EU Waste class: 07.01

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

- Not classified as hazardous for transport
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15 Regulatory information



Harmful

Risk Phrases

- Harmful by inhalation and in contact with skin (R20/21)
- Irritating to eyes, respiratory system and skin (R36/37/38)

Safety Phrases

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
 - Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
 - If swallowed seek medical advice immediately and show this container or label (S46)
 - Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
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16 Other information

(R10: Flammable. R20/21: Harmful by inhalation and in contact with skin. R22: Harmful if swallowed. R36/37/38: Irritating to eyes, respiratory system and skin. R40: Limited evidence of carcinogenic effect. R41: Risk of serious damage to eyes. R43: May cause sensitisation by skin contact. R50: Very toxic to aquatic organisms. R68: Possible risk of irreversible effects.)

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)
