

HEALTH AND SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product Name: SEAWOLF

1.2 Supplier : RBI AS
Sorenskriver Bulls gate 32
6002 ÅLESUND

Tel; 70 10 04 66 Fax; 70 10 05 94 e-mail; post@rbi-as.no

1.3 Product Description: A heavy duty, low foam, highly alkaline cleaner for use in the engineering, food, brewing, transport and marine/offshore industries.

Product Code: CN

2. HAZARD IDENTIFICATION

2.1 Product is classed as: CORROSIVE

2.2 Risk Phrases: R35 Causes severe burns

3. COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 A mixture of caustic alkalis, sequestrants and surfactants.

3.2 Hazardous ingredients:	CAS No:	EC Number	%w.w:	Nature of Hazard
Sodium hydroxide	1310-73-2	215-185-5	30-60	Corrosive, R35
Potassium hydroxide	1310-58-3	215-181-3	5-15	Corrosive, R35

Ingredients according to Regulation (EC) No.648/2004:

Less than 5 %: non-ionic surfactants

4. FIRST AID MEASURES

4.1 Eyes: Rinse immediately with plenty of water and seek medical advice. Continue rinsing for at least 15 minutes.

4.2 Skin: Wash with water and remove contaminated clothing. Seek medical advice.

4.3 Ingestion: Drink milk or water. Seek medical advice.

4.4 Inhalation: If mist or spray is inhaled, remove person to fresh air, rest, keep warm and seek medical advice.

5. FIRE FIGHTING MEASURES

Non-flammable but if drums are involved in a fire, spray with water to cool.

6. ACCIDENTAL RELEASE MEASURES

Rope off the affected area and place appropriate warning signs. Wear waterproof suit, rubber boots, gloves and eye/face protection. Contain spills with dry earth, sand or granules. Scrape up and place in secure plastic containers. Hose away residues with plenty of water.

7. HANDLING AND STORAGE

Wear protective clothing (see below). Store between 0 ° C and 30 ° C in the container provided and replace closure after use. Do not mix with other chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable gloves and full eye/face protection. If contact with spray, splashes or rinse-off solutions is possible, also wear rubber boots and waterproof suit.

8.1 Workplace Exposure Limits: Both sodium and potassium hydroxides have a Short-Term Exposure Limit (STEL) of 2mg/m³. The combined content of these compounds is 43% w/w.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance:** Pale brown, slightly hazy liquid.
9.2 Odour: Slight detergent odour
9.3 pH: 1%; 13.1
9.4 Density(@20.°C 1.45 g/ml
9.5 Flash Point: Non-flammable
9.6 Solubility in Water: Miscible in all proportions

10. STABILITY AND REACTIVITY

Stable under normal conditions of use and storage. If involved in a fire, will generate sooty deposits plus the oxides of carbon and nitrogen. Do not mix with acids.

11. TOXICOLOGICAL INFORMATION

- 11.1 Contact with eyes:** Causes redness, irritation and burning . Damage may be severe if not washed immediately with water.
11.2 Contact with skin: Causes redness, irritation and burning.
11.3 Ingested: Causes irritation and burning to mouth throat and digestive tract.
11.4 Inhaled: If mist or spray is inhaled, will burn mouth nose and throat.

12. ECOLOGICAL INFORMATION

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

The chelating agents are fully biodegradable according to OECD standards. Main concern is the high alkalinity and therefore neat product or its solutions should not be allowed to enter the natural surface drainage system.

13. DISPOSAL CONSIDERATIONS

Before disposal of neat or dilute solutions, seek advice of local authority. Do not allow product to enter the surface drainage system. Small volumes will not present any problems to local water treatment works.

14. TRANSPORT INFORMATION

UN No: 1824

Hazard Class: Corrosive Class 8

Name: Sodium hydroxide solution.

Packaging Group: UN II **H.I. No.:** 80

15. REGULATORY INFORMATION

The preparation requires a formal COSHH assessment which should ensure that employees are aware of hazards/precautions detailed in this data sheet. The COSHH assessment should also ensure that recommended safety equipment is available and, where applicable, the exposure limits detailed in Section 8 are not being exceeded.

Label for supply:



- Risk Phrases:** R35 Causes severe burns.
- Safety Phrases:** S23 Do not breathe spray or foam.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of an accident or if you feel unwell, seek medical advice immediately and show the label or this Data Sheet.

U.K. Regulatory References: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 aligned with ADR. Workplace Exposure Limits EH40.2005 and subsequent amendments.

REACH: Regulation 1907/2006/EC effective June 1st, 2007. The raw materials used in this preparation have been pre-registered in accord with the requirements of REACH.

16. OTHER INFORMATION

It is the responsibility of the user to ensure safe working conditions. The health hazards and general information contained within this Material Safety Data Sheet are given as a guide to the precautions required to maintain a safe working environment.

SECTION 16 Cont.

SEAWOLF is used for the toughest cleaning jobs where fat or grease deposits are particularly heavy or old. The product also finds applications involving the removal of burnt-on carbonized deposits from metal or ceramic components, smoking equipment, ovens etc. and in C.I.P. systems in food processing plants. The product is used at between 0.1 and 5% and can be used through low pressure sprayers, C.I.P.systems or in dip tanks.

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