

HEALTH AND SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product Name: RBI MAX

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

Product Code: UE **Description:** A combined alkaline cleaner/sanitiser for use those industries involved in the processing, preparation and transportation of food products.

2. HAZARD IDENTIFICATION

2.1: The product is classified as 'Corrosive'. Risk Phrases: R 34 Causes burns

3. COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 A blend of non-ionic, cationic and amphoteric surfactants, an amphoteric surfactant biocidal preparation, sequestrants and sodium hydroxide.

3.2 Hazardous ingredients:	CAS No:	EINECS	%w.w:	Nature of Hazard
Sodium hydroxide	1310-73-2	215-185-5	2-5	Corrosive; R34
Non-ionic surfactants	68439-45-2	Polymer	1-5	Harmful; R22,41,50
Amphoteric biocide	Preparation	-----	1-5	Irritant; R36/38
Amphoteric surfactant	14960-06-6	239-032-7	1-5	Irritant, R36

Ingredients according to EC648/2004:

Less than 5 %: amphoteric surfactants, cationic surfactant, nonionic surfactant.

4. FIRST AID MEASURES

- 4.1 **Eyes:** Rinse immediately with plenty of water and continue for ten minutes. Seek medical attention.
- 4.2 **Skin:** Wash immediately with water. Remove contaminated clothing and seek medical advice.
- 4.3 **Ingestion:** Drink milk or water and seek medical advice.
- 4.4 **Inhalation:** If spray or mist is inhaled, remove person to fresh air. Rest and keep warm. If feeling unwell, seek medical advice.

5. FIRE FIGHTING MEASURES

Non-flammable and will not support combustion. If drums are involved in fire, spray with water to keep cool.

6. ACCIDENTAL RELEASE MEASURES

Wear rubber boots and protective clothing (see below). Contain spillage with dry earth, sand or granules. Absorb onto granules, scrape up and place in secure plastic containers. Hose away remnants with large volumes of water.

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear gloves, eye/face protection, rubber boots and a waterproof suit when pressure washing or foaming. If product is being used conventionally by mop, bucket or low pressure spraying, wear gloves and safety glasses. If splashing or spillage is an additional hazard, wear rubber boots and a waterproof apron.

8.1 Workplace Exposure Limits (WELs):

Sodium hydroxide has a Short-term Exposure Limit (STEL) of 2mg/m³ and this represents 4% w/w of the formulation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance:	Clear, pale straw coloured liquid.
9.2 Odour:	Slight detergent odour
9.3 pH:	Neat: 13.5 10%: 13.0 1%: 12.2
9.4 Density(@20.°C):	1.08 g/ml
9.5 Flash Point:	Non-flammable
9.6 Solubility in Water:	Completely soluble.

10. STABILITY AND REACTIVITY

Stable under normal conditions of use and storage. Do not mix with acids.

11. TOXICOLOGICAL INFORMATION

- 11.1 Contact with eyes:** Will cause irritation burning and permanent damage if not rinsed away with water immediately after contact.
- 11.2 Contact with skin:** Will cause burning and redness.
- 11.3 Ingested:** Will irritate and burn mouth, throat and digestive system.
- 11.4 Inhaled:** If mist or spray is inhaled, will cause soreness and irritation of nose, throat and respiratory tract.

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 and the product

Section 12 Cont.

is rated as non-hazardous to aquatic species. Main concern is the high alkalinity of the product; it should not be allowed to enter the natural surface drainage system. Diluted product and rinse-off solutions entering the foul sewer will not present any problems to the local water treatment works.

13. DISPOSAL CONSIDERATIONS

Before disposal of neat or diluted solutions, seek advice of local water authority. Diluted product and rinse-off solutions entering the foul sewer will not present any problems to the local water treatment works.

14. TRANSPORT INFORMATION

UN No: 1760

Name: Corrosive Liquid N.O.S.

Hazard Class: CORROSIVE Class 8

IMDG Page No: ---

H.I. No: 80

Packaging Group: III

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: R34 Causes burns.

Safety Phrases: S24/25 Avoid contact with skin and eyes.
S26 In case of contact with the 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 label.

U.K. Regulatory References: C.H.I.P. 3- The Chemicals (Hazard Information And Packaging Regulations) 2002. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 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. Full details of the Risk Phrases used in Section 3. and not subsequently covered are given below:

R22 Harmful if swallowed. R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms.

This product is a medium duty, alkaline product with combined cleaning, degreasing and sanitising properties for use in the food processing and food transporting industries. The product is usually used through high pressure washing equipment with concentrations of ½-3% at the lance tip. The product is also be used successfully through foam generating equipment at concentrations of up to 8% depending upon the level of soiling. Always ensure that the cleaning stage is followed by a high pressure rinse stage.

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