

HEALTH AND SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product Name: RBI SAFE

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 non-caustic, alkaline cleaner/degreaser with sanitising properties.

Product Code: BY

2. HAZARD IDENTIFICATION

2.1 This preparation is classified as 'Corrosive' due to the pH value of the neat product.

2.2 Risk Phrases: R34 Causes burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 A blend of non-ionic surfactants, cationic and amphoteric surfactant biocides, sequestrants and non-caustic alkaline builders.

3.2 Hazardous ingredients:	CAS No:	EINECS No:	%w.w:	Nature of Hazard
Sodium silicate	1344-09-8	215-687-4	1-5	Xi, R38,41
Non-ionic surfactants	68439-45-2	----	1-5	Xn, R22,41
Cationic surfactant (1)	10595-49-0	234-204-8	1-5	Xi, R22,36,43
Cationic surfactant (2)	68424-85-1	270-325-2	1-5	C,N, R22,34,50
Amphoteric surfactants	Preparation		1-5	Xi, R36/38

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

Less than 5 %: non-ionic surfactants, cationic surfactant, amphoteric surfactants.

4. FIRST AID MEASURES

4.1 Eyes: Rinse the eyes with plenty of water. Continue rinsing for 15 minutes and seek medical advice.

4.2 Skin: Rinse well with plenty of water. Remove contaminated clothing.

4.3 Ingestion: Rinse mouth thoroughly, drink milk or water. Seek medical advice if feeling unwell.

4.4 Inhalation: Remove affected person to fresh air, rest and keep warm. Seek medical advice if feeling unwell

5. FIRE FIGHTING MEASURES

Non-flammable and will not support combustion.

6. ACCIDENTAL RELEASE MEASURES

Wear protective clothing as in Section 8 below.

Large Spills: Contain with dry earth, sand or granules. Scrape up and place into secure plastic containers for disposal.

Small Spills: Hose away with plenty of water, preferably into the foul sewer rather than into the surface drainage system.

7. HANDLING AND STORAGE

Avoid contact with eyes and skin. Wear gloves and safety glasses when handling the neat or diluted product. Store between 0 and 35° C in the containers provided and replace closure after use. Do not mix with other chemicals. Use only as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear gloves and eye / face protection when handling neat or diluted product. A full-face visor, a waterproof suit, rubber gloves and rubber boots should be worn when high pressure washing or when clearing up a spill.

8.1 Workplace Exposure Limits (WELs): None have been allocated to the materials used in this preparation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance:	Pale yellow liquid.
9.2 Odour:	Slight detergent odour and a trace of ammonia.
9.3 pH:	Neat: 13.0 10 %: 12.0 1%:11.0
9.4 Density(@20.°C)	1.07 g/ml
9.5 Flash Point:	Non-flammable
9.6 Solubility in Water:	Completely soluble

10. STABILITY AND REACTIVITY

Stable under normal conditions of storage and use. Do not mix with any other chemical products.

11. TOXICOLOGICAL INFORMATION

- 11.1 Contact with eyes:** Irritation, soreness and possible permanent damage if not washed out immediately.
- 11.2 Contact with skin:** Irritation followed by redness and dryness.
- 11.3 Ingested:** Soreness of mouth, throat and digestive tract.
- 11.4 Inhaled:** If spray is inhaled, soreness of 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. The main concern with this product is the alkalinity and therefore all precautions should be taken to avoid contamination of natural surface water drainage systems.

13. DISPOSAL CONSIDERATIONS

Small quantities can be disposed of by the foul sewer. Consult local water authority before disposal of larger quantities.

14. TRANSPORT INFORMATION

UN No: Not applicable
Hazard Class: Not regulated

IMDG Page No: -----
Packaging Group: -----

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 After contact with eyes, wash immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.

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 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.

Details of the Risk Phrases used in Section 3 and not subsequently covered are as follows:
R22 Harmful if swallowed. R36/38 Irritating to eyes and skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms.

RBI SAFE is an excellent, safe cleaner with sanitising properties. Used as a 1-10% solution, it finds applications in the food processing, food handling and food transportation industries. The alkalinity of this product (and hence the pH) require that RBI SAFE is classified as 'Corrosive' for supply and use. However, this alkalinity is generated from non-caustic compounds and RBI SAFE is therefore relatively safe to use for the cleaning operatives. It is also safe to use on metals such as aluminium and zinc galvanized steel which are commonly used in the construction of plant, equipment and vehicle bodies.

Issue No. 5. P.R.C. 1805/11