

HEALTH AND SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product Name: RBI BLEACH

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: An alkaline, non-foaming, cleaner, sanitiser and stain remover containing 6% available chlorine when manufactured.

Product Code: DT

2. HAZARD IDENTIFICATION

2.1 Product is classed as: 'Corrosive' and 'Dangerous for the Environment'.

2.2 Risk Phrases: R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R50 Very toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 A mixture of alkalis and sodium hypochlorite.

3.2 Hazardous ingredients:	CAS No:	EINECS No:	%w.w	Nature of Hazard:
Sodium hypochlorite (14-15% Available Chlorine)	7681-52-9	231-668-3	30-60	Corrosive, R31,34 Dangerous for the Environment, R50

Ingredients according to EC648/2004:
More than 30 % chlorine-based bleaching agents.

4. FIRST AID MEASURES

4.1 Eyes: Rinse immediately with plenty of water continue for 15 minutes and seek medical advice.

4.2 Skin: Wash immediately with plenty of water. 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 to fresh air rest and keep warm. Seek medical advice if feeling unwell.

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

Wear suitable waterproof protective clothing and rubber boots (see 8 below). Contain spillage with granules, dry earth or sand. Absorb onto granules(not sawdust) and place in secure plastic containers. Small spills may be hosed away but the washings should not be allowed to enter the surface drainage system.

7. HANDLING AND STORAGE

Store between 0 and 30° C in a well ventilated area and out of direct sunlight. Store in the containers provided and replace closure after use. Do not mix with other chemicals and store away from acids. Wear protective clothing, gloves and eye/face protection when handling the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear waterproof suit, rubber boots, gloves and eye/face protection when using the product for major industrial applications. Small operations (e.g. de-staining in a sink) may be conducted using normal overalls, PVC or rubber gloves and safety glasses.

8.1 Work Exposure Limit (WEL):

If chlorine is released, then a Long Term Exposure Limit (LTEL) of 0.5 ppm and a Short Term Exposure Limit (STEL) of 1 ppm apply.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Appearance:** Yellow-green liquid
- 9.2 **Odour:** Chlorine odour
- 9.3 **pH:** 10%: 12.1 1%:11.0
- 9.4 **Density @ 20 ° C:** 1.10 g/ml
- 9.5 **Flash Point:** Non-flammable
- 9.6 **Solubility in Water:** Completely soluble
- 9.7 **Available Chlorine Content:** 6% w/w when manufactured.

10. STABILITY AND REACTIVITY

The Available Chlorine Content of the product falls slowly with time. The rate of decline depends upon the quality of the original product and upon the conditions of storage; keep the product in the original containers away from heat or sunlight. Dilute solutions should not be kept for re-use. Keep neat and diluted product away from acids of all types.

11. TOXICOLOGICAL INFORMATION

- 11.1 **Contact with eyes:** Will cause irritation and possibly permanent damage if not washed away quickly with water.
- 11.2 **Contact with skin:** Will cause redness and irritation.
- 11.2 **Ingested:** Will cause soreness and irritation to mouth and throat. Chlorine may be released by reaction with stomach acids.
- 11.4 **Inhaled:** Inhalation of mist or spray will cause soreness and irritation of mouth and throat.

12. ECOLOGICAL INFORMATION

The product is soluble in water and will percolate through the soil where it will degrade to sodium chloride, sodium chlorate and oxygen. Toxic to fish and aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Dilute solutions may be disposed of via the foul sewer. Larger volumes of dilute solution and neat product should only be disposed of after taking advice of the local authority.

14. TRANSPORT INFORMATION

UN No: 1791

Name: Hypochlorite Solution

Primary Hazard: Corrosive

Hazard I.D.No.: 80

ADR-RID Class/ Item No.: 8,61(c)

Packaging Group: II

U.K. Label for Conveyance: Class 8

Marine Pollutant: No

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.

Supply Label:



Risk Phrases:	R31	Contact with acids liberates toxic gas.
	R34	Causes burns.
	R50	Very toxic to aquatic organisms.
Safety Phrases:	S24/25	Avoid contact with skin and eyes.
	S26	After contact with eyes, wash immediately with plenty water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty water.
	S37/39	Wear suitable gloves and eye/face protection.
	S45	In case of accident or if you feel unwell seek medical advice immediately and show this label.
	S50	Do not mix with acids.
	S61	Avoid release to the environment. Refer to 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 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.

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