

# HEALTH AND SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**1.1 Product Name:** RBI UNIVERSAL

**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 mildly alkaline product for use on all types of vehicles for the removal of road film and general grime. Can be used through high pressure washer, brushwash or in manual systems.

**Product Code:** KT

## 2. HAZARD IDENTIFICATION

**2.1** Product is classed as: IRRITANT. The materials listed below with other hazards are present at levels lower than that required for classification of the preparation as anything other than Irritant.

**2.2 Risk Phrases:** R38 Irritating to skin. R41 Risk of serious damage to eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

**3.1** A blend of non-ionic, cationic and amphoteric surfactants with sequestering agents.

<b>3.2 Hazardous ingredients:</b>	<b>CAS No:</b>	<b>EINECS No;</b>	<b>%w.w:</b>	<b>Nature of Hazard</b>
Non-ionic surfactants	68439-45-2	-----	5-15	Harmful,R22,41
Cationic surfactant	94313-61-4	304-990-8	1-5	Irritant, R36/38
Butyl diglycol	112-34-5	203-961-6	1-5	Irritant, R36
Coconut diethanolamide	8051-30-7	232-483-0	1-5	Irritant, R38,41

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

5-15 %: non-ionic surfactants

Less than 5 %: cationic surfactant, amphoteric surfactant.

## 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

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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**8.1 Workplace Exposure Limits (WELs):** Butyl diglycol [2-(2-butoxyethoxy) ethanol] has a Long-term Exposure Limit (LTEL) of 10 ppm (or 67.5 mg/m<sup>3</sup>) and a Short-term Exposure Limit (STEL) of 15 ppm (or 101 mg/m<sup>3</sup>). The product contains approx. 5 % w/w of this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Appearance:** Pale blue liquid.

**9.2 Odour:** Slight detergent odour

**9.3 pH:** Neat: 10.4 1 %: 9.0

**9.4 Density(@20.°C)** 1.04 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 chemicals.

## 11. TOXICOLOGICAL INFORMATION

**11.1 Contact with eyes:** Irritation and soreness.

**11.2 Contact with skin:** Irritation followed by redness and dryness.

**11.3 Ingested:** Soreness of mouth and throat.

**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

## SECTION 12 Cont.

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. All solvents and chelating agents are fully biodegradable according to OECD standards.

## 13. DISPOSAL CONSIDERATIONS

Small quantities can be disposed of by the foul sewer and will not present any problems to the local water treatment works. Consult local authority before disposal of larger quantities.

## 14. TRANSPORT INFORMATION

UN No: Not applicable

Hazard Class: Non-hazardous

## 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:



<b>Risk Phrases:</b>	R38	Irritating to skin.
	R41	Risk of serious damage to eyes.
<b>Safety Phrases:</b>	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.
	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 1<sup>st</sup>, 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.

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RBI UNIVERSAL can be applied by any mechanical or manual method for the safe, effective cleaning of all types of road vehicles. Depending upon the method of application and the severity of the soiling, the product is used between 1/2 –10%.