

ENSEARCH RIB CLEANER

Issued: 10/06/2011
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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: ENSEARCH RIB CLEANER
Product code: ES08/1107R
Company name: ENSEARCH LTD
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2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: 2 BUTOXY ETHANOL 1-10%
EINECS: 203-905-0 CAS: 111-76-2
[Xn] R20/21/22; [Xi] R37
PRIMARY ALCOHOL ETHOXYLATE 1-10%
EINECS: - CAS: 68439-45-2
[Xn] R22; [Xi] R41
TRIETHANOLAMINE 1-10%
EINECS: 203-049-8 CAS: 102-71-6
ALKYL AMINE BETAINE 1-10%
EINECS: 266-368-1 CAS: 66455-29-6
[Xi] R36/38
SODIUM HYDROXIDE 1-10%
EINECS: 215-185-5 CAS: 1310-73-2
[C] R35
TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE 1-10%
EINECS: 200-573-9 CAS: 64-02-8
[Xi] R36/38

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Advice relates to formation of a mist from a trigger spray or similar equipment.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down.

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5. FIRE-FIGHTING MEASURES

- Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- Exposure hazards: In combustion emits toxic fumes. Water based product. Advice relates to dry residues after water has evaporated.
- Protection of fire fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of Safety Data Sheet. Turn leaking containers leak-side up to prevent the escape of liquid.
- Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

- Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.
- Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Workplace exposure limits
- WEL (8 hr TWA): 25 ppm
- WEL (15 min STEL): 50 ppm
- Hazardous ingredients: 2 BUTOXY ETHANOL
WEL (8 hr TWA): 25ppm (Sk) WEL (15 min STEL): 50ppm (Sk)
- TRIETHANOLAMINE
WEL (8 hr TWA): 5 mg/m³ (no std.)
- SODIUM HYDROXIDE
WEL (8 hr TWA): 2 mg/m³ WEL (15 min STEL): 2 mg/m³
- Engineering measures: Ensure there is sufficient ventilation of the area.
- Respiratory protection: Respiratory protection not required.
- Hand protection: Protective gloves.
- Eye protection: Ensure eye bath is to hand. Safety glasses.
- Skin protection: Protective clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Pale blue
Odour:	Sweet-smelling
Evaporation rate:	Slow
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Highly soluble
Also soluble in:	Ethanol
Viscosity:	Non-viscous
Boiling point/range °C:	100-172
Melting point/range °C:	0
Flammability limits %:	
lower:	1.1
upper:	10.6
Flash point° C:	>70
Autoflammability °C:	>230
Vapour pressure:	0.89
Relative density:	1.045
pH:	13.0-13.5
VOC g/l:	37

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Heat.
Materials to avoid:	Strong oxidising agents. Strong acids.
Haz. decomp. products:	In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	2 BUTOXY ETHANOL ORL RAT LD50 1480 mg/kg PRIMARY ALCOHOL ETHOXYLATE IHL RAT LC50 >5 mg/l ORL RAT LD50 200-2000 mg/kg SKN RAT LD50 >2000 mg/kg TRIETHANOLAMINE ORL RAT LD50 >2 g/kg SKN RBT LD50 >10 g/kg ALKYL AMINE BETAINE ORL RAT LD50 >2000 mg/kg SODIUM HYDROXIDE IPR MUS LD50 40 mg/kg ORL RBT LDLO 500 mg/kg TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE ORL RAT LD50 3030 mg/kg
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Routes of exposure: Refer to section 4 of Safety Data Sheet for routes of exposure and corresponding symptoms.

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12. ECOLOGICAL INFORMATION

Hazardous ingredients:	2 BUTOXY ETHANOL FISH 96H LC50 1575 mg/l TRIETHANOLAMINE DAPHNIA 48H EC50 1390 mg/l FISH 96H LC50 >5000 mg/l TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE FISH FATHEAD MINNOWS 96H LC50 >100 mg/l
Mobility:	Readily absorbed into soil. Volatile. Soluble in water.
Persistence and degradability:	Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.
Bioaccumulative potential:	No bioaccumulation potential.
Other adverse effects:	Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of as normal industrial waste. Clean with water.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID
Shipping name: Not classed as hazardous for transport.

IMDG / IMO

IATA / ICAO

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



Risk phrases: R36/38: Irritating to eyes and skin.
Safety phrases: S2: Keep out of the reach of children.
S23: Do not breathe spray.
S24: Avoid contact with skin.
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.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information:	<p>This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.</p> <p>IMPORTANT NOTE: Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.</p> <p>See sections 2 and 15 for the calculated hazard and risk phrases for the blended product. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 Articles 4 and 9 on detergents.</p> <p>Data to support this assertion is held at the disposal of the competent authorities of the Member States and will be made available to them, at their request or at the request of a detergent manufacturer.</p>
Risk phrases used in s.3:	<p>R35: Causes severe burns. R22: Harmful if swallowed. R41: Risk of serious damage to eyes. R36/38: Irritating to eyes and skin. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R37: Irritating to respiratory system.</p>
Legal disclaimer:	<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.</p>