

## ENSEARCH FIBREGLASS HULL CLEANER

Issued: 20/02/2009  
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### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: ENSEARCH FIBREGLASS HULL CLEANER  
Product code: ES08/11P3  
Company name: ENSEARCH LTD  
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### 2. HAZARDS IDENTIFICATION

Main hazards: Causes burns.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PHOSPHORIC ACID 10-30%  
EINECS: 231-633-2 CAS: 7664-38-2  
[C] R34  
SULPHAMIC ACID 1-10%  
EINECS: 226-218-8 CAS: 5329-14-6  
[Xi] R36/38; [-] R52/53  
METHOXY PROPOXY PROPANOL 1-10%  
EINECS: 252-104-2 CAS: 34590-94-8  
1-HYDROXY ETHANE-1,1-DIPHOSPHONIC ACID <1%  
CAS: 2809-21-8  
[Xi] R41  
PRIMARY ALCOHOL ETHOXYLATE 1-10%  
EINECS: -CAS: 68439-45-2  
[Xn] R22; [Xi] R41  
CITRIC ACID MONOHYDRATE 1-10%  
EINECS: 201-069-1 CAS: 5949-29-1  
[Xi] R36/37/38

### 4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.  
Eye contact: Corneal burns may occur. May cause permanent damage.  
Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.  
Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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### 4. FIRST AID MEASURES (ACTION)

|                              |   |
|------------------------------|---|
| Skin contact:                | Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.  |
| Eye contact:<br>examination. | Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist  |
| Ingestion:                   | Wash out mouth with water. Do not induce vomiting. Give one cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.                            |
| Inhalation:                  | Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible. |

### 5. FIRE-FIGHTING MEASURES

|                                     |   |
|-------------------------------------|---|
| Extinguishing media:<br>containers. | Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool                               |
| Exposure hazards:                   | Corrosive. 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:      | If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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. Do not handle in a confined space. 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

|                         |   |
|-------------------------|---|
| Hazardous ingredients:  | PHOSPHORIC ACID<br>WEL (8 hr TWA): 1 mg/m <sup>3</sup> WEL (15 min STEL): 2mg/m <sup>3</sup>                                |
|                         | METHOXY PROPOXY PROPANOL<br>WEL (8 hr TWA): 375 mg/m <sup>3</sup> (100ppm) WEL (15 min STEL): 560mg/m <sup>3</sup> (150ppm) |
| Engineering measures:   | Ensure there is sufficient ventilation of the area.   |
| Respiratory protection: | Self-contained breathing apparatus must be available in case of emergency.  |
| Hand protection:        | Impermeable gloves.   |
| Eye protection:         | Tightly fitting safety goggles. Ensure eye bath is to hand.   |
| Skin protection:        | Impermeable protective clothing.  |

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |                |
|-------------------------|----------------|
| State:                  | Liquid         |
| Colour:                 | Colourless     |
| Odour:                  | Perfumed       |
| Evaporation rate:       | Slow           |
| Solubility in water:    | Highly soluble |
| Viscosity:              | Viscous        |
| Boiling point/range °C: | 75 - 100       |
| Melting point/range °C: | minus 5        |
| Relative density:       | 1.140          |
| pH:                     | 2.5            |

### 10. STABILITY AND REACTIVITY

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

### 11. TOXICOLOGICAL INFORMATION

|                        |   |
|------------------------|---|
| Hazardous ingredients: | PHOSPHORIC ACID<br>ORL RAT LC50 <2000 mg/kg<br>SULPHAMIC ACID<br>IPR RAT LDLO 100 mg/kg<br>ORL MUS LD50 1312 mg/kg<br>ORL RAT LD50 3160 mg/kg<br>METHOXY PROPOXY PROPANOL<br>ORL RAT LD50 6.6 g/kg<br>PRIMARY ALCOHOL ETHOXYLATE<br>IHL RAT LC50 >5 mg/l<br>ORL RAT LD50 200-2000 mg/kg<br>SKN RAT LD50 >2000 mg/kg<br>CITRIC ACID MONOHYDRATE<br>ORL RAT LD50 11700 mg/kg<br>SCU RAT LD50 5500 mg/kg |
|------------------------|---|

Routes of exposure: Refer to section 4 of Safety Data Sheet for routes of exposure and corresponding symptoms.

### 12. ECOLOGICAL INFORMATION

|                                |  |
|--------------------------------|--|
| Hazardous ingredients:         | CITRIC ACID MONOHYDRATE<br>FISH GOLDFISH 96hr LC50 440 - 706 mg/l  |
| Mobility:                      | Readily absorbed into soil. Volatile. Soluble in water.  |
| Persistence and degradability: | Biodegradable.<br>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.  |

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### 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

UN no: 1760 ADR Class: 8  
Packing group: III  
Classification code: C9  
Shipping name: CORROSIVE LIQUID, NOS, Containing Phosphoric Acid.  
Labelling: 8



IMDG / IMO

IATA / ICAO

### 15. REGULATORY INFORMATION

Hazard symbols: Corrosive.



Risk phrases:

R34: Causes burns.

Safety phrases:

S1/2: Keep locked up and out of the reach of children.

S23: Do not breathe spray.

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.

S36/37/39: Wear suitable protective clothing, 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:

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

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.

See sections 3 and 15 for the calculated hazard and risk phrases for the blended product.

All substances in this preparation are registered within EU/EFTA countries.

Risk phrases used in s.3:

R34: Causes burns.

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

R36/37/38: Irritating to eyes, respiratory system and skin.

R36/38: Irritating to eyes and skin.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.