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## 5 FIRE-FIGHTING MEASURES

Flammable class	: Not flammable. : Product will produce toxic fumes in a fire if water component boiled off.
Extinguishing media	: All extinguishing media can be used.
Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.

## 6 ACCIDENTAL RELEASE MEASURES

Personal precautions	: When using, do not eat, drink or smoke.
General precautions	: No naked lights. No smoking.
Environmental precautions	: Prevent entry to sewers and public waters.
Clean up methods	: Clean up any spills as soon as possible, using a non combustible absorbent material to collect it. Use suitable disposal containers.

## 7 HANDLING AND STORAGE

Precautions in handling and storage	: Both local exhaust and general room ventilation are usually required. : Handle in accordance with good industrial hygiene and safety procedures.
Storage	: Keep out of reach of children. : Store in dry, well ventilated area. : Protect from freezing and temperatures above 40 C. : Keep away from sources of ignition. : Keep away from food, drink and animal feeding stuffs. : Close container tightly after use.
Storage away from	: Strong acids. : Strong bases. : Oxidizer.



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#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection



Respiratory protection

: Provide sufficient ventilation during use to WEL is not reached; if this is not possible organic vapour filter masks should be used (A1 or A2 EN 141)

Hand protection

: All types of protective gloves are suitable to protect the hands during use, product does not attack rubber, latex nitrile.

Skin protection

: Protective clothing not absolutely necessary.

Eye protection

: Chemical goggles or safety glasses.

Ingestion

: When using, do not eat, drink or smoke.

Industrial hygiene

: Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.

Occupational Exposure Limits

: UK Workplace Exposure Limits (WEL) as per HSE Doc. Eh40/2005

Triethylamine 42mg/m<sup>3</sup> - 8 hour TWA - 17 mg/m<sup>3</sup> - 15 min. - STEL Sk

2(2butoxyethoxy)ethanol no std - 8 hour TWA - no std - 15 min. - STEL Sk

Sk – Can be absorbed through skin

From HSE Doc. EH/2005 and manufacturers information

#### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: White Liquid
pH	: Approx 8.5
Melting point / range	: Not applicable
Flammability	: Not applicable
Explosive properties	: Not applicable
Vapour pressure	: 23 mbar at 25C
Solubility	: Fully water soluble
Odour	: Organic
Boiling point / range	: 100 C
Flash point	: Above 100 C
Autoflammability	: Not applicable
Oxidising properties:	: None
Relative density:	: SG 1.05
Partition coefficient	: n-octanol / water Not determined

#### 10 STABILITY AND REACTIVITY

Stability and reactivity	: Stable under normal conditions.
Materials to avoid	: Strong acids. Strong bases. Oxidizing agent.

Conditions to avoid : Overheating. Freezing.



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### 11 TOXICOLOGICAL INFORMATION

The product is of low toxicity.

LD50oral (rat)>2000mg/kg (Based on raw material information)

Reducing the periods of skin exposure to any substance or preparation will reduce the risk of sensitization or other irritation occurring.

### 12 ECOLOGICAL INFORMATION

Aquatic toxicity: Fish toxicity LC50 :>500mg/kg

Bacteria toxicity: ECO :> 10000mg/kg  
(Based on raw material information)

### 13 DISPOSAL CONSIDERATIONS

Any surplus or waste arising from the normal use of this preparation must be disposed of in accordance with Hazardous Waste Regulations 2005 and is classified as 07 02 99.

### 14 TRANSPORT INFORMATION

Not classified as dangerous goods under ADR, IMDG, IATA Regulations.

### 15 REGULATORY INFORMATION

This preparation is not classified as hazardous under the CHIP regulations 2002 as amended.

No specific labeling requirement.

This substance is classified as a substance hazardous to health within the definition given in Regulation 2 of the COSHH Regulations.

An assessment of risks to health caused by the use of this substance and other requirements of the COSHH regulations must therefore be made by any employer or self employed person this preparation at work.

### 16 OTHER INFORMATION

Revision comments – amendments have been made to sections 1,2,4,5,8,11,12,13,14,15 and 16.


Full text of risk phrases used in section 2;

- R36 - Irritating to the eyes
- R37 - Irritating to the respiratory system.
- R38 - Irritating to the skin,

It is recommended that all persons using this product be suitably trained in the use of the relevant personnel protective equipment.

No other safety information is applicable to the use of this preparation for its intended purpose.

This data was compiled using information from raw material manufacturers, The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (as amended), the Approved classification and labelling guide (fifth edition) for supply, the Approved Supply List (eighth edition), EH40/2005 and the Approved carriage List (third edition).

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