

## REACT

H018

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

Product Code H018

Manufacturer : Selden Research Limited  
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United Kingdom

Product Name REACT

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## 2 HAZARDS IDENTIFICATION

R34 Causes burns.

Classification C;R34.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINICS No.	CAS No.	Content	Classification
ETHOXYLATED FATTY AMINE	246-807-3	25307-17-9	1 - 5%	Xn;R22. C;R34. N;R50.
HYDROCHLORIC ACID	231-595-7	7647-01-0	5 - 10%	T;R23 C;R35

The Full Text for all R-Phrases are Displayed in Section 16

## 4 FIRST-AID MEASURES

INHALATION	Remove victim immediately from source of exposure., Provide rest, warmth and fresh air., Get medical attention if any discomfort continues.
INGESTION	Rinse mouth thoroughly., Drink plenty of water., DO NOT INDUCE VOMITING!, Get medical attention immediately!
SKIN CONTACT	Immediately remove contaminated clothing., Rinse immediately with plenty of water., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues.
EYE CONTACT	Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes and get medical attention.

## 5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	The product is non-combustible., Use fire-extinguishing media appropriate for surrounding materials.
SPECIAL FIRE FIGHTING PROCEDURES	Use special protective clothing. Regular protection may not be safe.

## 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers., Collect spillage in containers, seal securely and deliver for disposal according to local regulations., Inform Authorities if large amounts are involved.
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## 7 HANDLING AND STORAGE

USAGE DESCRIPTION	Store separated from:, Alkalies., Bleach/Sodium hypochlorite solutions.
STORAGE PRECAUTIONS	Controlled substance storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
HYDROCHLORIC ACID	WEL	1 ppm	2 mg/m3	5 ppm 8 mg/m3

## PROTECTIVE EQUIPMENT



ENGINEERING MEASURES	Provide adequate general and local exhaust ventilation.
HAND PROTECTION	Use protective gloves.
EYE PROTECTION	Wear approved safety goggles.
OTHER PROTECTION	Wear suitable protective clothing as protection against splashing or contamination.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, Liquid
COLOUR	Blue
ODOUR	Perfume scent
BOILING POINT (°C)	> 100
RELATIVE DENSITY	1.030 - 1.040 @ 20 °C
pH-VALUE, CONC. SOLUTION	<1.0
SOLUBILITY	Soluble in water

## 10 STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
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**CONDITIONS TO AVOID** Will react violently with: Strong alkalis., Earth metals such as sodium, potassium and barium., Reacts with bleach/sodium hypochlorite solutions producing toxic chlorine gas.

### 11 TOXICOLOGICAL INFORMATION

**INHALATION** May cause damage to mucous membranes in nose, throat, lungs and bronchial system.  
**INGESTION** Causes burns., Harmful if swallowed.  
**SKIN CONTACT** Causes burns.  
**EYE CONTACT** Causes burns., Risk of serious damage to eyes.

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY** Not classed as Hazardous to the Environment but release to the environment should be avoided.

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS** Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION

#### TRANSPORT LABELS



**UN NO. ROAD** 1789  
**UK ROAD CLASS** 8  
**UK ROAD PACK GR.** III  
**ADR CLASS NO.** 8  
**ADR CLASS** Class 8: Corrosive substances.  
**PROPER SHIPPING NAME** HYDROCHLORIC ACID SOLUTION  
**UN NO. SEA** 1789  
**IMDG CLASS** 8  
**UN NO. AIR** 1789  
**AIR CLASS** 8

### 15 REGULATORY INFORMATION

#### LABELLING



Corrosive (C)

**CONTAINS** HYDROCHLORIC ACID  
**RISK PHRASES** R34 Causes burns.  
**SAFETY PHRASES** 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 label where possible)., S51 Use only in well-ventilated areas., S2 Keep out of the reach of children  
**DETERGENT LABELLING** < 5% Perfumes  
 < 5% Amphoteric surfactants  
 < 5% Non-ionic surfactants  
**STATUTORY INSTRUMENTS** Chemicals (Hazard Information and Packaging) Regulations., Control of Substances Hazardous to Health.  
**APPROVED CODE OF PRACTICE** Classification and Labelling of Substances and Preparations Dangerous for Supply.  
**GUIDANCE NOTES** Workplace Exposure Limits EH40., CHIP for everyone HSG(108).

### 16 OTHER INFORMATION

**GENERAL INFORMATION** The following risk phrases relate to the raw materials in the product and not the product itself:-  
**REVISION DATE** 08/05/2012  
**REV. NO./REPL. SDS GENERATED** 11  
**RISK PHRASES IN FULL** R23 Toxic by inhalation., R35 Causes severe burns., R37 Irritating to respiratory system.| R22 Harmful if swallowed., R34 Causes burns., R50 Very toxic to aquatic organisms. |