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		Revision nr : 1
		Date : 16/3/2005
		Supersedes : 0/0/0
600 DETERGENT		18

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

Company identification : tensid uk ltd
Aquila House,70A Wheatash Road
Addlestone
Surrey KT15 2ES United Kingdom
Tel. 01932 564133

Product code : 18

Trade name : 600 DETERGENT.

Use : Industrial.

2 COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS no	EC no	EC index	Classification
Hydrochloric acid	: 10 to 30	7647-01-0	231-595-7	017-002-01-X	C; R34 Xi; R37

3 HAZARDS IDENTIFICATION

Main hazards : Causes burns. Irritating to respiratory system.

4 FIRST AID MEASURES

- **Inhalation** : Remove victim to fresh air. Allow the victim to rest. If not breathing, give artificial respiration. Obtain medical attention.

- **Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect develops.

- **Eye contact** : In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain medical attention.

- **Ingestion** : Do not induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Give water to drink. Seek medical advice.

5 FIRE-FIGHTING MEASURES

Flammable class : Not flammable.

Extinguishing media : Use extinguishing media appropriate for surrounding fire.

Surrounding fires : Use water spray or fog for cooling exposed containers.

Special exposure hazards : When heated to decomposition, emits dangerous fumes. Hydrochloric acid fumes.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Equip cleanup crew with proper protection.

After spillage and/or leakage : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Neutralize with : sodium bicarbonate or lime and flush with water.
For LARGE spills dilute with water and neutralize using a caustic solution. Absorb with vermiculite, dry sand or earth and place in suitable containers. Flush area with plenty of water.

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7 HANDLING AND STORAGE

- Precautions in handling and storage** : Open only in well ventilated area.
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Storage** : Keep only in the original container in a cool, well ventilated place.
- Handling** : Wear recommended personal protective equipment.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Respiratory protection** : Local exhaust and general ventilation must be adequate to meet exposure standards.
In case of insufficient ventilation, wear suitable respiratory equipment.
 - **Hand protection** : Use neoprene or rubber gloves.
 - **Skin protection** : If skin contact or contamination of clothing is likely, protective clothing should be worn.
 - **Eye protection** : Chemical goggles or face shield with safety glasses.
- Occupational Exposure Limits** : Hydrochloric acid : TLV-TWA [mg/m³] : 7.5
Hydrochloric acid : TLV-TWA [ppm] : 5

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
- Colour** : Colourless to light yellow.
- Odour** : Acidic.
- Density [kg/m³]** : 1120 to 1160

10 STABILITY AND REACTIVITY

- Hazardous decomposition products** : When heated to decomposition, emits dangerous fumes.
Hydrochloric acid fumes.
- Hazardous reactions** : Reacts with : Alkalis and generates heat.

11 TOXICOLOGICAL INFORMATION

- **Inhalation** : Irritation of the respiratory tract and the other mucous membranes.
- **Dermal** : Causes burns.
- **Ocular** : Causes burns.
Risk of serious damage to eyes.
- **Ingestion** : Causes severe burns.
Corrosion or irritation of the linings of the mouth, throat, and gastrointestinal tract.

12 ECOLOGICAL INFORMATION

- On product** : Dangerous to environment due to low pH.
- Persistence and degradability** : Neutralized slowly by natural alkalinity.
- Bioaccumulative potential** : Will not bioaccumulate.

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13 DISPOSAL CONSIDERATIONS

Disposal : Dispose of this material and its container at hazardous or special waste collection point.

14 TRANSPORT INFORMATION

- UN No. : 1789
 - H.I. nr : 80
 ADR/RID
 - Proper shipping name : HYDROCHLORIC ACID
 - ADR Class : 8
 - ADR Packing group : II
 Hazard Label(s)



: Label 8 : Corrosive substance.

15 REGULATORY INFORMATION

Symbol(s)



: Corrosive

R Phrase(s)

: R34 - Causes burns.
 R37 - Irritating to respiratory system.

S Phrase(s)

: S02 - Keep out of the reach of children.
 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 when possible).

16 OTHER INFORMATION

Further information : Specifications and technical information on the product may be obtained by your dealer.

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

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