

	MATERIAL SAFETY DATA SHEET	Page : 1 / 4
		Revision nr : 1
		Date : 16/3/2005
		Supersedes : 0/0/0
VANATROL		F-5

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 : 5

Trade name : VANATROL.

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
Glycolic acid	: 10 to 30 %	79-14-1	201-180-5	-----	Xn; R22 C; R34
Hydrochloric acid	: 10 to 30 %	7647-01-0	231-595-7	017-002-01-X	C; R34 Xi; R37
Citric acid anhydrous	: 1 to 5	77-92-9	201-069-1	-----	Xi; R36/37/38

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.
Hydrogen chloride.
Sulfur dioxide.

	MATERIAL SAFETY DATA SHEET	Page : 2 / 4
		Revision nr : 1
		Date : 16/3/2005
		Supersedes : 0/0/0
VANATROL		F-5

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.

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** : Glycolic acid : TLV-TWA [mg/m³] : 10
Hydrochloric acid : TLV-TWA [mg/m³] : 7.5
Hydrochloric acid : TLV-TWA [ppm] : 5

9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
- Colour** : Yellow-brown.
- Odour** : Acidic.
- Density [kg/m³]** : 1120 to 1140

10 STABILITY AND REACTIVITY

- Hazardous decomposition products** : When heated to decomposition, emits dangerous fumes.
Hydrogen chloride.
Sulfur dioxide.
- Hazardous reactions** : Reacts with : Alkalis and generates heat.

11 TOXICOLOGICAL INFORMATION

- **Inhalation** : Irritation of the respiratory tract and the other mucous membranes.
- **Dermal** : Causes severe burns.
- **Ocular** : Corrosive.
Risk of serious damage to eyes.
- **Ingestion** : Causes severe burns.

	MATERIAL SAFETY DATA SHEET	Page : 3 / 4
		Revision nr : 1
		Date : 16/3/2005
		Supersedes : 0/0/0
VANATROL		F-5

11 TOXICOLOGICAL INFORMATION (continued)

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.

13 DISPOSAL CONSIDERATIONS

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

14 TRANSPORT INFORMATION

- **UN No.** : 1760
- **H.I. nr** : 80
ADR/RID
- **Proper shipping name** : CORROSIVE LIQUID, N.O.S. (Glycolic acid, Hydrochloric acid)
- **ADR Class** : 8
- **ADR Packing group** : II
Hazard Label(s)



: Label 8 : Corrosive substance.

15 REGULATORY INFORMATION

Symbol(s)



R Phrase(s)

S Phrase(s)

: Corrosive
: R34 - Causes burns.
: R37 - Irritating to respiratory system.
: S01/02 - Keep locked up and out of 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).
: S51 - Use only in well-ventilated areas.

	MATERIAL SAFETY DATA SHEET	Page : 4 / 4
		Revision nr : 1
		Date : 16/3/2005
		Supersedes : 0/0/0
VANATROL		F-5

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.

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document