

# HYDRAGUARD LIMITED

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **FERROSOLV**  
CHEMICAL IDENTITY: Aqueous solution of organic chelants, dispersants and surfactants  
RECOMMENDED USE: Chemical cleaning agent

1.2  
Hydraguard Limited  
Rose Croft  
Newton on Rawcliffe  
Pickering  
North Yorkshire  
YO18 8QE

Tel No: **01751 475964**

### 2. HAZARDS IDENTIFICATION

Irritating to eyes and skin  
CLASSIFICATION Xi; R36/38

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS No	Content	Classification
NITRILOTRIS (METHYLENE TRIPHOSPHONIC ACID)	229-146-5	6419-19-8	1-5%	Xi;R36
SODIUM HYDROXIDE	215-185-5	1310-73-2	<1%	C;R35
TRISODIUM NITRILLO-TRIACETATE	225-768-6	5064-31-3	10-30%	Xn;R22. Xi;R36

The full text for all R-Phrases are Displayed in Section 16

### 4. FIRST AID MEASURES

**Inhalation:** Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

**Ingestion:** Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Get medical attention.

**Skin Contact:** Remove affected person from source of contamination. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

**Eye Contact:** Remove victim immediately from source of exposure. Immediately rinse with water for several minutes. Continue to rinse for at least 15 minutes and get medical attention.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: This product is not flammable. Use fire-fighting extinguishing media appropriate for surrounding materials.

Unusual Fire & Explosion Hazards: No unusual fire or explosion hazards noted.

Specific Hazards: The product is non-combustible. If heated, irritating vapours may be formed.

Protective Measures in Fire: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Hydraguard Limited  
Rose Croft  
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Product: Ferrosolv  
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## 6. ACCIDENTAL RELEASE METHODS

Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet.  
Spill Clean up Methods: Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

## 7. HANDLING AND STORAGE:

Usage Precautions: Avoid spilling, skin and eye contact. Avoid eating, drinking and smoking when using the product.  
Storage Precautions: Keep upright. Store in tightly closed original container in a dry and cool place.  
Storage Class: Chemical storage

## 8. EXPOSURE CONTROLS

Name	Std	LT – ppm	LT – mg/m3	ST – ppm	ST – mg/m3
SODIUM HYDROXIDE	OES				2 mg/m3

Ingredient Comments

OES = Occupational Exposure Standard

Protective Equipment: Approved safety glasses and gloves  
Process Conditions: Use engineering controls to reduce air contamination to permissible exposure level  
Respiratory Equipment: If ventilation is insufficient, suitable respiratory protection must be provided  
Hand Protection: Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.  
Eye Protection: Wear approved safety goggles.  
Other Protection: Wear suitable protective clothing as protection against splashing or contamination  
Hygiene Measures: Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid  
Colour: Pale Amber  
Odour: Slight odour ammonia  
Solubility: Miscible with water in all proportions  
Relative Density: 1.18 – 1.24  
pH Value, Conc solution: 7.0 – 7.4

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions and recommended use  
Conditions to Avoid: Avoid excessive heat for prolonged periods of time.

## 11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of spray mists may cause irritation  
Ingestion: May cause discomfort if swallowed. May cause stomach pain or vomiting  
Skin Contact: Irritating to skin  
Eye Contact: Irritating to eyes

## 12. ECOLOGICAL INFORMATION

Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 13. DISPOSAL CONSIDERATIONS

General Information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority  
Disposal Methods: Dispose of waste and residues in accordance with local authority requirements  
Container: Triple rinse empty container thoroughly with water before disposal.

## 14. TRANSPORT INFORMATION

### LAND TRANSPORT

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)

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## 15. REGULATORY INFORMATION

Labelling	Irritant
Contains	Sodium Hydroxide
Risk Phrases	R36/38 Irritating to eyes and skin
Safety Phrases	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 S36/39 Wear suitable protective clothing and eye/face protection S37 Wear suitable gloves S60 This material and its container must be disposed of as hazardous waste
UK Regulatory References Approved Code of Practice	Chemicals (Hazard Information & Packaging) Regulations Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

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## 16. OTHER INFORMATION

Revision Date:	3-2008
Risk Phrases in Full	R22 Harmful if swallowed R35 Causes severe burns R36 Irritating to eyes R36/38 Irritating to eyes and skin

### DISCLAIMER

This data sheet does not constitute a User's Assessment of Workplace Risk as required by HSW Act, COSHH, Management of Health and Safety at Work Regulations, or other Health and Safety Legislation. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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