

# HYDRAGUARD LIMITED

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **CL821**  
CHEMICAL IDENTITY: Aqueous solution of organic and inorganic salts and molybdate  
RECOMMENDED USE: Corrosion Inhibitor

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

Tel No: **01751 475964**

### 2. HAZARDS IDENTIFICATION

Harmful if swallowed

Classification : Xn;R22

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS No	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	<1%	C;R35
SODIUM MOLYBDATE	231-551-7	7631-95-0	1-5%	Xi;R36/37/38
SODIUM NITRITE	231-555-9	7632-00-0	5-10%	O;R8 T;R25 N;R50

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:**

DO NOT induce vomiting. Never give liquid to an unconscious person. Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Get medical attention immediately!

**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. Get medical attention if any discomfort continues.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media:

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

Unusual Fire & Explosion Hazards:

Containers close to fire should be removed immediately or cooled with water

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.

### 6. ACCIDENTAL RELEASE METHODS

Personal Precautions:

Wear protective clothing as described in Section 8 of this safety data sheet..

Environmental Precautions:

Do not allow to enter water course or drains.

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

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

Tel No. 01751 475964

Product: CL821  
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Issue No. 4

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## 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

Process Conditions

Respiratory Equipment

Hand Protection:

Eye Protection:

Other Protection:

Hygiene Measures:

Use engineering controls to reduce air contamination to permissible exposure level

If ventilation is insufficient, suitable respiratory protection must be provided

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.

Wear approved safety goggles.

Wear suitable protective clothing as protection against splashing or contamination

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

Colour

Odour

Solubility

Relative Density

pH Value, Conc solution

Clear liquid

Pale Amber

Slight sweet odour

Completely soluble in water

1.13

7.0-7.5

## 10. STABILITY AND REACTIVITY

Stability

Conditions to Avoid

Materials to Avoid

Hazardous Decomposition Products

Stable under normal temperature conditions and recommended use

Avoid contact with strong reducing agents, and excessive heat for prolonged periods of time.

All strong acids.

By fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>2</sub> may be formed)

## 11. TOXICOLOGICAL INFORMATION

Inhalation

Ingestion

Skin Contact

Eye Contact

May cause irritation to the respiratory system

Toxic if swallowed. May cause discomfort if swallowed. May cause stomach pain or vomiting

Prolonged contact may cause redness and irritation

Spray and vapour in the eyes may cause irritation and smarting

## 12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not expected to be hazardous to the environment

## 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Container

Dispose of waste and residues in accordance with local authority requirements

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)

## 15. REGULATORY INFORMATION

Labelling

Contains

Risk Phrases

Safety Phrases

Harmful

Sodium Nitrite

R22 Harmful if swallowed

S17 Keep away from combustible material

S24/25 Avoid contact with skin and eyes

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).

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

R25	Toxic if swallowed
R35	Causes severe burns
R36/37/38	Irritating to eyes, respiratory system and skin
R50	Very toxic to aquatic organisms
R8	Contact with combustible material may cause fire

**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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