

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

PRODUCT NAME: **CL800**
CHEMICAL IDENTITY: Aqueous solution of inorganic salts, borate and heterocyclics
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

Toxic if swallowed
Classification : T;R25

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS No	Content	Classification
SODIUM HYDROXIDE	215-185-5	1310-73-2	<1%	C;R35
SODIUM NITRITE	231-555-9	7632-00-0	10-30%	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: No unusual fire or explosion hazards noted

Specific Hazards: By fire, toxic gases may be formed (CO₂, NO₂).

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.

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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	Toxic class

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:

Wear approved Safety glasses and protective gloves

Hand Protection:

For prolonged or repeated skin contact, use suitable 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, tight fitting safety glasses where splashing is probable.

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	Clear liquid
Colour	Light or pale Amber
Odour	Slight sweet odour
Solubility	Miscible with water
Relative Density	1.15
pH Value, Conc solution	10.5 – 11.0

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions and recommended use
Conditions to Avoid	Excessive heat for prolonged periods of time.
Materials to Avoid	All strong acids.
Hazardous Decomposition Products	By fire, toxic gases (CO, CO ₂ , NO ₂ may be formed)

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause irritation to the respiratory system
Ingestion	Toxic if swallowed. May cause discomfort if swallowed. May cause stomach pain or vomiting
Skin Contact	Liquid may irritate skin
Eye Contact	Spray and vapour in the eyes may cause irritation and smarting

12. ECOLOGICAL INFORMATION

Ecotoxicity	This product contains a substance which is very toxic to aquatic organisms
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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.

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14. TRANSPORT INFORMATION

LAND TRANSPORT

UN Road Class	6.1 Toxic		
Proper Shipping Name	TOXIC LIQUID, INORGANIC, N.O.S. (Sodium Nitrite)		
UN No. Road	3287	UK Road Packing Group:	III
ADR Class No.	6.1	ADR Class:	Class 6.1: Toxic substances
ADR Pack Group	III	ADR Label:	6.1
Hazard ID No	60	Hazchem Code	2X
CEFIC TEC® No	61GT4-III		
RID Class No.	6.1	RID Pack Group	III
UN No Sea	3287	IMDG Class	6.1
IMDG Pack Gr.	III	EMS	F-A, S-A
MFAG	See Guide	Marine Pollutant	No.
UN No. Air	3287	ICAO Class	6.1
Air Pack Gr	III		

15. REGULATORY INFORMATION

Labelling	Toxic
Contains	Sodium Nitrite
Risk Phrases	R25 Toxic if swallowed
Safety Phrases	S38 In case of insufficient ventilation wear suitable respiratory equipment. S39 Wear 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	Chemicals (Hazard Information & Packaging) Regulations
Approved Code of Practice	Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

16. OTHER INFORMATION

Revision Date:	3-2008
Risk Phrases in Full	R25 Toxic if swallowed R35 Causes severe burns 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.