

Material Safety Data sheet

Section 1 - Identification of the substance/preparation and company

Trade Name - Aquachem 220
 Chemical Name/Synonyms – Corrosion inhibitor blend
 Formula - mixture
 UNNO 1500

Name of Company Aqueous Logic
 Address 248 Sutton Common Road
 Sutton, Surrey SM3 9PW
 Telephone no. (0208) 288-0128

Section 2 - Composition/information on ingredients

Substance	% composition	risk phrases	CAS number
Sodium Nitrite		T; R25	7632-00-0
Sodium Molybdate			10102-40-6
Borax			103-96-4

Section 3 - Hazards Identification

R25 Toxic if swallowed
 S(1/2) Keep locked up and out of reach of children
 S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
 S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

Adverse effects	Ingestion	Irritates mouth, oesophagus, stomach. Large amounts can cause nausea, cyanosis (blue skin), collapse, coma and death.
	Inhalation	Normally not a problem. Inhalation of large amounts of dust, see ingestion.
	Skin	May cause local irritation on prolonged contact.
	Eyes	May cause irritation.

As part of our commitment to Responsible Care, we recommend that all purchased chemical products should be only discharged in dilute form to drains that are connected to the sanitary sewer to insure minimal environmental impact. All the ingredients within this product can be degraded/ safely absorbed by the environment.

Section 4 - First Aid measures

Ingestion	If conscious give 2-4 glasses of water and induce vomiting until vomit is clear. If skin turns blue, give oxygen. Get medical help.
Inhalation	Remove to fresh air. Large amounts treat as ingestion.
Skin	Wash with soap and water.
Eyes	Immediately flush with water. See doctor if necessary.

Section 5 - Fire-fighting measures

N.B. Product is non-flammable

Suitable extinguishing media	Water, carbon dioxide, alcohol foam, dry chemical.
Special protective equipment	Self contained breathing apparatus.

Section 6 - Accidental release measures

For large spills	Dike and contain. Place in non-leaking containers for disposal.
For small spills (less than 1 gallon)	Soak or mop up. May be flushed into sewer.

Section 7 - Handling and storage

Handling	Avoid contact with skin and eyes. Do not ingest.
Storage	Avoid excessive heat. Keep away from hot elemental zirconium, amines, acids, reducing agents, ammonium compounds, cyanides, thiosulfates.

We recommend that when handling all chemicals, the minimum precautions are the wearing of gloves and goggles. Efforts to minimize contact with chemicals should always be made.

Section 8 - Exposure controls/personal protection

Protective measures -	Respiratory protection	optional
	Hand protection	gloves
	Eye protection	goggles
	Skin protection	none

Section 9 - physical and chemical properties

Appearance	clear, yellow liquid
Odour	none
pH	7 to 9
pH at 1 %	7 to 8.4
Melting point	18 F / -8 C
Flammability	non-flammable
Specific gravity	1.144
Solubility in water	complete

Section 10 - Stability and reactivity

Stability	stable
Conditions to avoid	excessive heat
Materials to avoid	hot elemental zirconium, amines, acids, reducing agents, ammonium compounds, cyanides, thiosulfates.
Hazardous decomposition products	nitrogen compounds, carbon monoxide, mixing with amines may form carcinogenic nitrosolamines.

Section 11 - Toxicological information

Can enter the body by ingestion, irritating the mouth, oesophagus, and stomach causing nausea, cyanosis (blue skin), collapse, coma and death.

Inhalation of large amounts may cause the same effects as ingestion.

May cause irritation if in contact with skin or eyes.

Section 12 - Ecological information

The nitrite component will cause nitrite bloom in waterway if untreated. Behaves in a manner similar to fertiliser. Do not add product directly to waterways.

Section 13 - Disposal considerations

Large amounts should be given to licensed disposal agency.

Section 14 - Transport information

UNNO 1500

Class 5.1

Section 15 - Regulatory information

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S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

Section 16 - Other information

DO NOT MIX WITH AMINES AS CARCINOGENIC NITROSOLAMINES MAY BE FORMED

Keep container tightly closed when not in use

KEEP OUT OF THE REACH OF CHILDREN

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet or on the Product Label is the responsibility of the user.