

Date: September 2004

Material Safety Data sheet

Section 1 - Identification of the substance/preparation and company

Trade Name: Rapid Dose Central Heating Protector – 200ml
Chemical Name/Synonyms: 120 C2
Formula: Mixture
UNNO: 1950 Aerosol, Class 2.2

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		O,T; R8,25,50	7632-00-0
Sodium Molybdate			10102-40-6
Borax			103-96-4

Section 3 - Hazards Identification

Hazards

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.

Diluted product is non-hazardous at use concentration.

Adverse effects	Ingestion	Irritates mouth, oesophagus, stomach. Large amounts can cause nausea, cyanosis (blue skin), collapse, coma and death.
	Inhalation	Normally expected to be harmful by inhalation.
	Skin	May cause local irritation on prolonged contact.
	Eyes	May cause irritation.

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. Seek 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.

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.

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: 1950 Aerosols, Class 2.2 – Non-Hazardous, Non-Flamable

Section 15 - Regulatory information

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

All the above hazards are only applicable in concentrated product and are not applicable at use concentration.

Section 16 - Other information

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.