

Material Safety Data Sheet

BORESAVER LIQUID

Aquabiotics Pty Ltd 5007/0305/5000 Issue Date January 2011
Not classified as hazardous according to criteria of NOHSC as at January
2011

COMPANY DETAILS

Company Name Aquabiotics Pty Ltd
Address 14 Goongarrie Street
 Bayswater
 Western Australia 6053
Emergency Tel 08 9379 2911

IDENTIFICATION

Product Name	BoreSaver Liquid - BSL Liquid
Enhancer	
Proper Shipping Name	None Allocated
Other Names	Cupric Oxalate
UN Number	None Allocated
DG Class	None Allocated
Packing Group	None Allocated
HazChem Code	None Allocated
Poisons Shedule	None Allocated
Product Use	Gentle cleaner for iron oxide residues.
Other Uses	Used as a catalyst for organic reactions and in seed treatment as a repellent for rodents and birds

Physical Data

Appearance	A pale blue aqueous suspension, which settles slowly on standing.
Molecular formula:	CoC ₂ O ₄
Melting Point	Not available.
Boiling point	100C
Vapor Pressure	Not available.
Flash Point	Not available.
Flamm. Limit LEL	Not available.
Flamm. Limit UEL	Not available.
Solubility in Water	10ppm

Ingredients

Name	CAS	Proportion
Copper Oxalate	5893-66-3 / 814-91-5 (hemihydrate)	27%
Water	7332-18-5	73%

Health Hazard Information

Health Effects

Acute - Swallowed

Harmful if swallowed. Acute ingestion of copper salts may cause severe nausea and vomiting, abdominal pain, hemolysis, gastrointestinal bleeding and shock. Hepatic and renal failure may develop after several days.

Acute - Eye

An eye irritant. Eye exposure may result in severe irritation. It is capable of causing a mild, temporary impairment of vision and /or other transient eye damage/ulceration.

Acute - Skin

A skin irritant. Skin exposure may result in severe irritation. Reaction may lead to dermatitis.

Acute - Inhaled

A respiratory tract irritant. Fume exposure may cause irritation to the eyes, nose, and respiratory system; metal fume fever syndrome respiratory symptoms may result from exposure to fume or fine dust.

Hazards Identification Chronic

Repeated or prolonged skin contact can cause chronic dermatitis. Metal fume fever, wheezing, and rales have been reported in workers exposed to fine copper dust.

First Aid

Swallowed

Copper oxalate is only very slightly soluble and so acute effects of ingestion should be negligible in the short term. In the longer term the effects may be more pronounced. If swallowed, induce vomiting and seek medical attention. Do not induce vomiting if the victim is unconscious.

Eye

Title: MSDS BoreSaver Liquid Country: Australia	Issue Number: Issue Date: Previous Issue:	5008/0305/5000 03/05/2011 Sept. 20 th 2005	Page 2 of 5 http://Boresaver.com.au © Aquabiotics Pty Ltd	sales@boresaver.com.au
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Immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical.

Skin

Promptly wash the contaminated skin with soap and water. If this chemical penetrates the clothing, promptly remove the clothing and wash the skin with soap and water. Get medical attention promptly.

Inhaled

Move the exposed person to fresh air at once. If breathing has stopped, perform mouth-to-mouth resuscitation. Keep the affected person warm and at rest. Get medical attention as soon as possible.

First Aid Facilities

Eye wash fountains and safety showers should be available for emergency use.

Advice To Doctor

Advice to Doctor

Treat symptomatically. Unless extensive vomiting has occurred empty the stomach by lavage with water, milk, sodium bicarbonate solution or a 0.1% solution of potassium ferrocyanide. Administer egg white and other demulcents. Maintain electrolyte and fluid balances.

Other Health Hazard Information

Precautions For Use

Exposure Limits

COPPER CARBONATE BASIC

OEL-AUSTRALIA:TWA 0.2 mg(Cu)/m³ (fume) JAN93

OEL-AUSTRALIA:TWA 1 mg(Cu)/m³ (dust) JAN93.

Not applicable to a liquid suspension

Eng. Controls

Use with local exhaust ventilation or while wearing appropriate respirator.

Shouldn't be required with a liquid suspension

Personal Protection

Respirator Type (AS 1716)

If risk of inhalation exists, wear combined organic vapour / particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716

Shouldn't be required with a liquid suspension

Title: MSDS BoreSaver Liquid Country: Australia	Issue Number: Issue Date: Previous Issue:	5008/0305/5000 03/05/2011 Sept. 20 th 2005	Page 3 of 5 http://Boresaver.com.au © Aquabiotics Pty Ltd	sales@boresaver.com.au
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Eye Protection

Safety glasses, goggles or face shield as appropriate. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Glove Type

PVC, neoprene or nitrile rubber gloves.

Clothing

Overalls or similar protective apparel.

Work/Hygienic Practices

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Flammability

Fire Hazards

In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to safety information on dust explosion hazards.

Non combustible.

Storage and Transport

Storage Precautions

Store in cool place and out of direct sunlight. Store in well ventilated area. Store away from foodstuffs. Keep containers securely sealed and protected against physical damage.

Transport

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Proper Shipping Name

None Allocated

Spills & Disposal

Clean up all spills immediately, Avoid contact with skin and eyes. Wear protective clothing, gloves, safety glasses and dust respirator. Use a dry clean up procedures and avoid generating dust. Vacuum up or sweep up. Place in clean drum then flush area with water.

Disposal

Disposal of this material should be undertaken by a registered chemical disposal company.

Fire/Explosion Hazard

Title: MSDS BoreSaver Liquid Country: Australia	Issue Number: Issue Date: Previous Issue:	5008/0305/5000 03/05/2011 Sept. 20 th 2005	Page 4 of 5 http://Boresaver.com.au © Aquabiotics Pty Ltd	sales@boresaver.com.au
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On burning will emit toxic fumes. Non combustible.

Hazardous Combustion Products

Combustion products include oxides of carbon.

Hazardous Decomposition or Byproducts

Carbon Monoxide, Carbon Dioxide and Oxides of Copper

Fire Fighting Procedures

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Extinguishing Media

Use extinguishing media appropriate to surrounding fire conditions

Hazchem Code

None Allocated

OTHER INFORMATION

Toxicology

LD50 Oral(RAT); 1350 mg/kg;

Risk Statement

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Statement

S2 Keep out of reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S44 If you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Hazard Category

Harmful,Irritant

CONTACT POINT: For further information contact Aquabiotics Pty Ltd at 08 9379 2911 tel, 08 9379 2811 fax

End of MSDS

Title: MSDS BoreSaver Liquid Country: Australia	Issue Number: Issue Date: Previous Issue:	5008/0305/5000 03/05/2011 Sept. 20 th 2005	Page 5 of 5 http://Boresaver.com.au © Aquabiotics Pty Ltd	sales@boresaver.com.au
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