

MATERIAL SAFETY DATA SHEET

Section 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

COMPANY Delshine Chemicals
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BRAND NAME – ALGAE CONTROLLER

TRADE NAME – BENZALKONIUM CHLORIDE 50%

SHIPPING NAME (section 14) **CORROSIVE LIQUID NOS**

USE – Clearing and sanitizing pool water

RESTRICTIONS – Avoid contact with oxidizing agents and metals as this product is Corrosive

Section 2

HAZARDS CLASSIFICATION / IDENTIFICATION

CLASSIFIED AS : **HAZARDOUS – According to the criteria of NOHSC**

UN NUMBER : 1760

RISK PHRASES : R21/22 Harmful in contact with skin and if swallowed

R34 Causes burns

R36/38 Irritating to eyes and skin

R50 Toxic to aquatic organisms.

SAFETY PHRASES: S1/2 Keep locked up and out of reach of children.

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

S45 In case of accident or you feel unwell seek medical advice immediately (show label whenever possible)

S61 Avoid release to the environment .Refer to Material Safety Data Sheet.

Section 3

COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Entity:	CAS No:	Proportion (% mass)
Benzalkonium Chloride	68424-85-1	30-60

Section 4

FIRST AID MEASURES

Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons. Ring 13 11 26

Ingestion : Immediately rinse mouth with water. Give water to drink. DO NOT induce vomiting. If vomiting occurs place victims face downwards head lower than hips to prevent entering lungs. Seek medical assistance.

Eye Contact : Immediately irrigate with copious quantities of water for at least 15 minutes. Eye lids to be held open. Seek medical assistance.

Skin Contact : Immediately wash contaminated skin with plenty of water. For gross contamination immediately drench with water and remove clothing. Remove contaminated clothing and wash before use. If swelling , redness , blistering or irritation occurs seek medical advice.

Inhalation : Remove victim from exposure . Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.

Notes to physician : Treat symptomatically as for exposure to acidic corrosive substances based on judgement of doctor and individual reaction of the patient.

First Aid Facilities: **Ensure an eye bath and safety shower are available and ready for use.**

Section 5

FIRE FIGHTING MEASURES

Fire Fighting further advice : Not combustible , however reaction with metals will produce flammable hydrogen gas which will burn if ignited. Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or products of combustion.

Suitable extinguishing media : Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide , dry chemical powder)

HAZCHEM CODE : 2X

Section 6

ACCIDENTAL RELEASE MEASURES

Absorb spills with sand and place in a suitable labeled container for waste disposal.

Section 7

HANDLING AND STORAGE

Store in a cool dry area away from oxidizing agents alkalis and strong acids.

Transport – **Transport in accordance with the Australian Dangerous Goods code of Class8**

Incompatibilities – **Solutions will corrode with metals.**

Flammability - **Non Flammable**

Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection Equipment : Avoid skin and eye contact. Wear protective clothing impervious gloves and eye protection.

Section 9 PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE – colouress

PH - 9.1

BOILING POINT °C - 100

FREEZING POINT °C – not available

SPECIFIC GRAVITY - .98

ADDITIONAL INFORMATION

ODOUR -

VAPOUR PRESSURE not available

VAPOUR DENSITY not available

SOLUBILITY - miscible

Section 10 STABILITY & REACTIVITY

Stability : Stable when stored under normal ambient conditions.

Hazardous Polymerisation : Will not occur

Compatibility : Incompatible with strong oxidizing, cyanides and carbonates.

Section 11 TOXICOLOGICAL INFORMATION

Main Symptoms : No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are :

Acute

Ingestion : Swallowing can result in nausea , vomiting , diarrhoea , abdominal pain, perforation of the gastrointestinal tract, chemical burns to mouth throat and abdomen.

Eye Contact : Corrosive to eyes. Contact can cause corneal burns and can result in permanent injury.

Skin Contact : Contact with skin may cause skin burns and severe irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation : Inhalation of mists may result in mucous membrane and respiratory irritation and possible harmful corrosive effects including pulmonary oedema.

Section 12 ECOLOGICAL INFORMATION

Toxic to aquatic organisms . Avoid contaminating waterways.

Section 13	DISPOSAL CONSIDERATIONS
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Refer to State Land Waste Management Authority. Empty containers must be decontaminated . Can be greatly neutralized with soda ash . Normally suitable for disposal at approved land waste site.

Section 14	TRANSPORT INFORMATION
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UN NUMBER :	1760		
UN PROPER SHIPPING NAME :	Corrosive liquid NOS		
CLASS: 8	PACKING GROUP: 11		HAZCHEM CODE: 2R
SUBSIDIARY RISK	NONE		2X

Section 15	REGULATORY INFORMATION
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POISONS SHEDULE (SUSDP) S6**(REQUIRES CHILD PROOF LID ON ALL VOLUMES 5 LT AND UNDER.)****CLASSIFIED AS : HAZARDOUS – According to the criteria of NOHSC**

UN NUMBER : 1760

RISK PHRASES :

- R21/22 Harmful in contact with skin and if swallowed
- R34 Causes burns
- R36/38 Irritating to eyes and skin
- R41 Risk of serious damage to eyes.
- R50 Toxic to aquatic organisms.

SAFETY PHRASES:

- S1/2 Keep locked up and out of reach of children.
- S36/37/39 Wear suitable protective clothing , gloves and eye/face protection
- S45 In case of accident or you feel unwell seek medical advice immediately (show label whenever possible)
- S61 Avoid release to the environment refer to Material Safety Data Sheet

Section 16	OTHER INFORMATION
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DATE OF LAST REVISION OF MATERIAL SAFTEY DATA SHEET 2nd May 2016

CONTACT POINT – Les Buss – TELEPHONE (08) 9309 4222

The above information is accurate to the best of the knowledge available to us. However since data safety and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control we make no warranty, whether express or implied, with respect to completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Users should satisfy themselves that they have all current data relevant to their particular use.

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