

MATERIAL SAFETY DATA SHEET

Section 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

COMPANY	Delshine Chemicals
ABN NUMBER	21 009 447 769
ADDRESS	Unit 1 / 30 Prindiville Drive, Wangara
FACSIMILE NUMBER	(08) 9309 4334
TELEPHONE NUMBER	(08) 9309 4222
EMERGENCY TELEPHONE	041 992 7281 (After hours)
EMAIL	delshine-chemicals@bigpond.com
WEB SITE	www.delshinechemicals.com

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 : R22 Harmful if swallowed.
R36/37/38 Irritating to eyes respiratory system and skin.
R50 Toxic to aquatic organisms.

SAFETY PHRASES: S1/2 Keep locked up and out of reach of children.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S36/39 Wear suitable protective clothing and eye/face protection
S45 In case of accident or you feel unwell seek medical advice immediately (show label whenever possible)

Section 3	COMPOSITION / INFORMATION OF INGREDIENTS
------------------	---

Chemical Entity: Benzalkonium Chloride	CAS No: 68424-85-1	Proportion (% mass) 50%
---	-----------------------	----------------------------

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 - 7.5

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
-------------------	--------------------------------

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
-------------------	------------------------------

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
-------------------	-------------------------------

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 :

R22 Harmful if swallowed.

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

R50 Toxic to aquatic organisms.

SAFETY PHRASES:

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

S24/25 Avoid contact with skin and eyes.

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

S36/39 Wear suitable protective clothing and eye/face protection

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

Section 16

OTHER INFORMATION

DATE OF LAST REVISION OF MATERIAL SAFETY DATA SHEET :

25th August 2009

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

AUTHORISATION FOR ISSUE DATE _____/_____/_____

Les Buss

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.