

Revision Date 28-Jul-2020

Version 5

SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product identifier

Product Name Polygard Concentrate

Product Code A-0979

Other means of identification

UN Number UN3082

Recommended use of the chemical and restrictions on use

Recommended Use Swimming pool algaecide

Uses advised against No information available

Details of manufacturer or importer

Supplier

BIOLAB AUSTRALIA PTY LTD
1 Susan Street
Hindmarsh SA 5007
AUSTRALIA
PHONE: (AU) 1800 635 743

For further information, please contact

Contact Point Customer Service: 1800 635 743 (AU)

Emergency telephone number

Emergency telephone number In an Emergency: Dial 000 (AU)
For SPECIALIST advice in an EMERGENCY ONLY phone CHEMCALL - FREE CALL ALL HOURS: AU 1800 127 406

SECTION 2: HAZARD(S) IDENTIFICATION

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

GHS Classification

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 5 - (H313)

Label elements



Signal word Warning

Hazard statements

H302 - Harmful if swallowed
H313 - May be harmful in contact with skin

H333 - May be harmful if inhaled

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

Use only outdoors or in a well-ventilated area

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Precautionary Statements - Response

Call a POISONS INFORMATION CENTRE or doctor if you feel unwell

If swallowed, call a poisons information centre or doctor immediately

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF ON SKIN: Wash with plenty of water and soap

Rinse mouth

Wash contaminated clothing before re-use

"

Rinse mouth

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Do not handle until all safety precautions have been read and understood

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS, IN ACCORDANCE WITH SCHEDULE 8

Substance

Chemical Name	CAS No	Weight-%
Polyoxyethylenedimethyliminoethylene dichloride	31075-24-8	60

Non-hazardous ingredients

Proprietary

Balance

Section 4: FIRST AID MEASURES

Description of first aid measures**General advice**

If symptoms persist, call a doctor. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

Inhalation

Remove to fresh air. Call a doctor. If breathing is irregular or has stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Skin contact

Consult a doctor if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Protect unharmed eye. If symptoms persist, call a doctor.

Ingestion

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Call a doctor immediately. Never give anything by mouth to an unconscious person.

Self-protection of the first aider

Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed**Symptoms**

Irritant. Respiratory disorders.

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray (fog). Dry powder. Alcohol-resistant foam. Carbon dioxide (CO₂). dry sand.

Unsuitable extinguishing media

No information available

Specific hazards arising from the chemical

Do not allow run-off from firefighting to enter drains or water courses Burning produces noxious and toxic fumes

Special protective actions for firefighters

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazchem code 3Z.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Keep in suitable, closed containers for disposal.

Precautions to prevent secondary hazards

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

No information available.

SECTION 7: HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

Precautions for safe handling**Advice on safe handling**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before re-use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with the local and national regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Incompatible materials

Strong oxidising agents. Incompatible with strong acids and bases. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Anionic polymers.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls**Engineering Controls**

Showers. Eyewash stations. Ventilation systems. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tight sealing safety goggles. Eye wash bottle with pure water.

Hand Protection

Wear protective gloves. polyvinyl alcohol or nitrite-butyl-rubber gloves. Before removing gloves clean them with soap and water. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection

Suitable protective clothing. Wear an impervious suit. Choose body protection according to the amount and concentration of the dangerous substance at work.

Respiratory protection

In the case of vapour formation use a respirator with an approved filter.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Physical state**

liquid

Appearance	aqueous solution	Odour	mild
Colour	light yellow	Odour threshold	No information available
Property	Values	Remarks • Method	
pH	6-8	undiluted	
Melting point / freezing point	< - 16 °C / 61 °F		
Boiling point/boiling range	> 100 °C / 212 °F		
Flash point	> 100 °C / > 212 °F	Tag Closed Cup	
Evaporation rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limit in Air			
Upper flammability limit:			
Lower flammability limit:			
Vapour pressure		No information available	
Vapour density		No information available	
Specific Gravity		No information available	
Water solubility	Soluble in water		
Solubility(ies)		No information available	
Partition coefficient		No information available	
Auto-ignition temperature		No information available	
Decomposition temperature		No information available	
Kinematic viscosity		No information available	
Dynamic viscosity			
Explosive properties	No information available		
Oxidising properties	No information available		
Other Information			
VOC Content (%)	No information available		
Density	1.15 g/cm ³		
Bulk density	No information available		

Section 10: STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Contamination. Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidising agents. Incompatible with strong acids and bases. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Anionic polymers.

Hazardous Decomposition Products

Carbon oxides. Hydrogen halides. Nitrogen oxides (NO_x).

Section 11: TOXICOLOGICAL INFORMATION**Acute toxicity****Information on likely routes of exposure****Product Information**

Inhalation Harmful by inhalation. May cause irritation of respiratory tract.

Eye contact Irritating to eyes.

Skin contact May cause irritation.

Ingestion Harmful if swallowed.

Numerical measures of toxicity - Product Information

Oral LD50 = 1850 mg/kg (rat)

Dermal LD50 > 2 g/kg (Rabbit)

100% of the mixture consists of ingredient(s) of unknown toxicity

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation**

No information available.

Serious eye damage/eye irritation

No information available.

Sensitisation

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Section 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Very toxic to aquatic life. May cause long lasting harmful effects to aquatic life.

100 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility**Mobility in soil**

No information available.

Mobility

No information available.

Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods**Waste from residues/unused products**

Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not re-use container. Disposal should be in accordance with applicable regional, national and local laws and regulations. Empty remaining contents.

Section 14: TRANSPORT INFORMATION

Note:

Limited quantity (LQ) exception is possible Product classified as UN 3077 or UN 3082 that are shipped in containers not exceeding 5 kg or 5 L may ship as Not Subject to the provisions of the IMDG Code and Not Restricted under IATA. Refer to IMDG Ch 2.10 and IATA SP-197.

ADG

UN Number	UN3082
Special Provisions	AU01

IATA

UN/ID no	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane diyl(dimethyliminio)-1,2-ethanediyl dichloride])
Hazard Class	9
Packing Group	III
Description	UN3082 Environmentally hazardous substance, liquid, n.o.s. (Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane diyl(dimethyliminio)-1,2-ethanediyl dichloride]), 9, III

IMDG

UN/ID no	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane diyl(dimethyliminio)-1,2-ethanediyl dichloride])
Hazard Class	9
Packing Group	III
EmS-No	F-A, S-F

Description UN3082 Environmentally hazardous substance, liquid, n.o.s.
(Poly[oxy-1,2-ethanediyl(dimethyliminio)-1,2-ethane diyl(dimethyliminio)1,2-ethanediyl dichloride]), 9, III

Marine pollutant This material meets the definition of a marine pollutant

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information available

Section 15: REGULATORY INFORMATION

Regulatory information

National regulations

Australia

Classified as a hazardous substance in accordance with the criteria of Safe Work Australia - Globally Harmonised System (GHS)

See section 8 for national exposure control parameters

International Inventories

TSCA	Complies
NZIoC	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

NZIoC - New Zealand Inventory of Chemicals

AICS - Australian Inventory of Chemical Substances

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

SECTION 16: ANY OTHER RELEVANT INFORMATION

Revision Date 28-Jul-2020

Revision Note

The symbol (*) in the margin of this SDS indicates that this line has been revised.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing,

storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet