

**SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY**

**Product identifier**

**Product Name** Algi Destroyer

**Product Code** 20023208

**Other means of identification**

**UN Number** 3082

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Swimming pool algaecide

**Uses advised against** Do not mix with other chemicals

**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**

<b>Acute toxicity - Oral</b>	Category 4 - (H302)
<b>Carcinogenicity</b>	Category 2 - (H351)
<b>Acute aquatic toxicity</b>	Category 1 - (H400)
<b>Chronic aquatic toxicity</b>	Category 1 - (H410)

**Label elements**



Signal word

Warning

**Hazard statements**

H302 - Harmful if swallowed  
 H312 - Harmful in contact with skin  
 H316 - Causes mild skin irritation  
 H333 - May be harmful if inhaled  
 H371 - May cause damage to organs if swallowed  
 H422 - Toxic to the soil environment  
 H433 - Harmful to terrestrial vertebrates  
 H351 - Suspected of causing cancer\*\*\*  
 H410 - Very toxic to aquatic life with long lasting effects

\*\*\*See Section 11 - Toxicological Information. Simazine IARC Group 3 Not classifiable as to its carcinogenicity to humans

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Avoid release to the environment  
 Do not breathe dust/fume/gas/mist/vapours/spray  
 Wash hands thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

If swallowed, call a poisons information centre or doctor immediately  
 IF ON SKIN: Wash with plenty of water and soap  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 IF exposed or concerned: Get medical advice/attention  
 Rinse mouth  
 If skin irritation occurs: Get medical advice/attention  
 Wash contaminated clothing before re-use

**Spill**

Collect spillage

**Precautionary Statements - Storage**

Store locked up

**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	>=10 - <30
simazine (NAM;EINECS)	122-34-9	>=5 - <10

Non-hazardous ingredients

Proprietary

Balance

### Section 4: FIRST AID MEASURES

**Description of first aid measures****General advice**

If symptoms persist, call a doctor. Show this safety data sheet to the doctor in attendance. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Move out of dangerous areas.

<b>Inhalation</b>	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.
<b>Skin contact</b>	Consult a doctor if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Protect unharmed eye. Keep eye wide open while rinsing. If symptoms persist, call a doctor.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

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

**Symptoms** carcinogenic effects. Irritant. Respiratory disorders.

**Indication of any immediate medical attention and special treatment needed**

**Note to doctors** For specialist advice physicians should contact the Poisons Information Service.

**SECTION 5: FIREFIGHTING MEASURES****Suitable Extinguishing Media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water mist, dry powder, alcohol-resistant foam, CO<sub>2</sub>, 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 Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

**Special protective actions for firefighters**

Full protective flameproof clothing. In the event of fire, wear self-contained breathing apparatus.

**Hazchem code** 3Z.

**Section 6: ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use personal protective equipment as required. 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.

**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**

Pick up and transfer to properly labelled containers. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimise spreading.

**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**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. 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**

When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

**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. Strong acids. Strong bases.

**Other Information**

No decomposition if stored and applied as directed.

**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**

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.

<b>Hand Protection</b>	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.
<b>Skin and body protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Choose body protection according to the amount and concentration of the dangerous substance at work.
<b>Respiratory protection</b>	In the case of vapour formation use a respirator with an approved filter.
<b>Environmental exposure controls</b>	Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odour</b>	Musty
<b>Appearance</b>	Milky	<b>Odour threshold</b>	No information available
<b>Colour</b>	light yellow		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	5.8 - 6.8		
<b>Melting point / freezing point</b>		No information available	
<b>Boiling point/boiling range</b>		No information available	
<b>Flash point</b>		No information available	
<b>Evaporation rate</b>		No information available	
<b>Flammability (solid, gas)</b>		No information available	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	No information available		
<b>Lower flammability limit:</b>	No information available		
<b>Vapour pressure</b>		No information available	
<b>Vapour density</b>		No information available	
<b>Specific Gravity</b>		No information available	
<b>Water solubility</b>		No information available	
<b>Solubility(ies)</b>		No information available	
<b>Partition coefficient</b>		No information available	
<b>Auto-ignition temperature</b>		No information available	
<b>Decomposition temperature</b>		No information available	
<b>Kinematic viscosity</b>		No information available	
<b>Dynamic viscosity</b>			
<b>Explosive properties</b>	No information available		
<b>Oxidising properties</b>	No information available		
<b><u>Other Information</u></b>			
<b>VOC Content (%)</b>	No information available		
<b>Bulk density</b>	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****Hazardous polymerisation**

Hazardous polymerisation does not occur.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Contamination. Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong oxidising agents. Strong acids. Strong bases.

**Hazardous Decomposition Products**

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

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

<b>Product Information</b>	Harmful by inhalation.
<b>Inhalation</b>	Harmful by inhalation.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	13,479.00
<b>ATEmix (dermal)</b>	69,475.00

29.9% of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
simazine (NAM;EINECS)	= 971 mg/kg ( Rat )	> 10200 mg/kg ( Rabbit ) > 5 g/kg ( Rat )	= 9800 mg/m <sup>3</sup> ( Rat ) 4 h

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**

Limited evidence of a carcinogenic effect.

**Carcinogenicity**

No information available.

Chemical Name	Australia	IARC
simazine (NAM;EINECS) - 122-34-9		Group 3
<i>IARC (International Agency for Research on Cancer) Not classifiable as a human carcinogen</i>		

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration hazard**

No aspiration toxicity classification.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life.

29.9 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
simazine (NAM;EINECS)	-	10: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 3.5 - 7.15: 96 h <i>Pimephales promelas</i> mg/L LC50 static 118: 96 h <i>Lepomis macrochirus</i> mg/L LC50 49: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 56: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 82: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 9.9 - 26: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	0.56 - 2.2: 48 h <i>Daphnia magna</i> mg/L EC50 Static

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

**Mobility****Mobility in soil**

No information available.

**Mobility**

No information available.

Chemical Name	Partition coefficient
simazine (NAM;EINECS)	2.18

**Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Endocrine Disruptor Information .**

Chemical Name	EU - Endocrine Disruptors	EU - Endocrine Disruptors -	Endocrine disrupting potential

	Candidate List	Evaluated Substances	
simazine (NAM;EINECS)	Group II Chemical Group III Chemical	-	-

### Section 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

#### **Waste from residues/unused products**

Should not be released into the environment. Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

empty remaining contents. Do not re-use container. Refer to all federal, state and local regulations prior to disposal of container and unused contents by re-use, recycle or disposal.

### Section 14: TRANSPORT INFORMATION

#### **Note:**

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. Limited quantity (LQ) exception is possible

#### **ADG**

##### **UN Number**

Not regulated

##### **Proper shipping name**

3082

Environmentally hazardous substance, liquid, n.o.s. (Polyoxyethylenedimethyliminoethylene dichloride)

##### **Hazard Class**

9

##### **Packing Group**

III

##### **Hazchem code**

3Z

#### **IATA**

##### **UN/ID no**

3082

##### **Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Polyoxyethylenedimethyliminoethylene dichloride)

##### **Hazard Class**

9

##### **Packing Group**

III

##### **Description**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLY [OXYETHYLENE (DIMETHYLIMINIO) ETHYLENE (DIMETHYLIMINIO) ETHYLENE] DICHLORIDE), 9, III

#### **IMDG**

##### **UN/ID no**

3082

##### **Proper shipping name**

Environmentally hazardous substance, liquid, n.o.s. (Polyoxyethylenedimethyliminoethylene dichloride)

##### **Hazard Class**

9

##### **Packing Group**

III

##### **EmS-No**

F-A, S-F

##### **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

<b>TSCA</b>	Complies
<b>NZIoC</b>	Complies
<b>AICS</b>	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** 23-Jun-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**