

Revision Date 29-Oct-2020

Version 12

SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product identifier

Product Name BioGuard Swim Clear

Product Code A-0991

Other means of identification

Pure substance/mixture Sodium dichloro-s-triazinetrihydrate

Recommended use of the chemical and restrictions on use

Recommended Use Swimming pool chemical

Uses advised against No information available

Details of manufacturer or importer

Supplier

BIOLAB AUSTRALIA PTY LTD
86 King William Road
Goodwood, SA 5034, Australia
Telephone: +61 (8) 8274 6800 Fax: +61 (8) 8271 0612

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)
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

Label elements



Signal word

Warning

Hazard statements

H302 - Harmful if swallowed
H313 - May be harmful in contact with skin
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapours/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Call a POISONS INFORMATION CENTRE or doctor if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISONS INFORMATION CENTRE or doctor if you feel unwell
"

Rinse mouth

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

No information available

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

Chemical Name	CAS No	Weight-%
Sodium dichloroisocyanurate dihydrate	51580-86-0	>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. Artificial respiration and/or oxygen may be necessary. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a doctor.

Skin contact

Consult a doctor if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a doctor. Immediate medical attention is not required.

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. If symptoms persist, call a doctor.

Ingestion Rinse mouth. Drink plenty of water. If symptoms persist, call a doctor. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.

Self-protection of the first aider Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

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

Flood fire area with water from a distance.

Unsuitable extinguishing media

Do not use dry chemicals, carbon dioxide, or halogenated extinguishing agents

Specific hazards arising from the chemical

Do not let the fire burn. Thermal decomposition can lead to release of irritating and toxic gases and vapours. In case of fire, hazardous combustion gases are formed: Carbon monoxide and carbon dioxide; Hydrogen Chloride (HCL); Chlorine (CL₂); Nitrogen; Nitrogen trichloride (explosion hazard!); Isocyanuric acid. Wet material may generate nitrogen trichloride, an explosion hazard.

Special protective actions for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid creating dust. Avoid breathing (dust, vapour, mist, gas). Ensure adequate ventilation, especially in confined areas. Wear respiratory protection.

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. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 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

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labelled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

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. Use with local exhaust ventilation.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended.

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. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers. Do not store together with: organic materials; combustible materials; Ammonia; Ammonium compounds; Alkalies; Oxidising Agents; Reducing agents; Acids.

Incompatible materials

Strong acids. Strong bases. Calcium hypochlorite. Combustible material. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Reducing agents. Organic materials. Ammonia. Alkalies. Oxidising agent.

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**

In case of dust or aerosol formation use respirator with an approved filter. Dust safety masks are recommended when the dust concentration is more than 10mg/m³.

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

Tight sealing safety goggles. Face protection shield.

Skin and body protection

Suitable protective clothing. Apron. Gloves made of plastic or rubber. Wear an impervious

suit.

Environmental exposure controls 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

Physical state	Solid	Odour	Chlorine
Appearance	No information available	Odour threshold	No information available
Colour	white		
Property	Values	Remarks • Method	
pH	5.8 - 6.6	@ 25 °C in 1% Solution	
Melting point / freezing point	250°C		
Boiling point/boiling range		No information available	
Flash point		No information available	
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	280 g/L @ 25°C		
Solubility(ies)		No information available	
Partition coefficient		No information available	
Auto-ignition temperature		No information available	
Decomposition temperature	240 -250°C		
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	0.9 - 0.96 g/cm3
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. Avoid moisture.

Conditions to avoid

Protect from moisture. Extremes of temperature and direct sunlight. Do not mix with other chemicals.

Incompatible materials

Strong acids. Strong bases. Calcium hypochlorite. Combustible material. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Reducing agents. Organic materials. Ammonia. Alkalies. Oxidising agent.

Hazardous Decomposition Products

Carbon oxides. Hydrogen chloride gas. Nitrogen oxides (NOx).

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Information on likely routes of exposure

Product Information

Inhalation	May be harmful if inhaled. This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight. If ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.
Eye contact	Severely irritating to eyes. Corrosive to the eyes and may cause severe damage including blindness.
Skin contact	May be harmful in contact with skin. Contact with moist skin may cause skin burns.
Ingestion	Harmful if swallowed.

Numerical measures of toxicity - Product Information

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

ATEmix (oral)	1,823.00 mg/kg (rat)
ATEmix (dermal)	5,000.00 mg/kg (rat)
ATEmix (inhalation-dust/mist)	1.17 mg/l (4-hr) (rat)
Oral LD50	550 - 1600 mg/kg (rat)
Dermal LD50	> 5000 mg/kg (rabbit)

0% of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium dichloroisocyanurate dihydrate	= 1823 mg/kg (Rat)	-	-

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.

Chronic toxicity

Avoid repeated exposure

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulative potential

Bioaccumulation is unlikely.

Mobility**Mobility in soil**

No information available.

Mobility

No information available.

Other adverse effects

No information available.

Endocrine Disruptor Information .

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Sodium dichloroisocyanurate dihydrate	Group III Chemical	-	-

Section 13: DISPOSAL CONSIDERATIONS

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

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

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: 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 Not regulated

IATA

UN/ID no	3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (Sodium dichloro-s-triazinetriene dihydrate)
Hazard Class	9
Packing Group	III
Description	UN3077, Environmentally hazardous substances, solid, n.o.s. (Sodium dichloro-s-triazinetriene dihydrate), 9, III

IMDG

UN/ID no	3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (Sodium dichloro-s-triazinetriene dihydrate)
Hazard Class	9
Packing Group	III
EmS-No	F-A, S-F
Description	UN3077, Environmentally hazardous substances, solid, n.o.s. (Sodium dichloro-s-triazinetriene dihydrate), 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

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poison Schedule Number 6

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 29-Oct-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