

Revision Date 17-Feb-2020

Version 4

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

### Product identifier

**Product Name** ProGuard® Calcium Chloride

**Product Code** 20023510

### Other means of identification

### 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  
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>Acute toxicity - Dermal</b>	Category 5 - (H313)
<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)

### Label elements



**Signal word** Warning

### Hazard statements

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

H319 - Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
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

Rinse mouth

**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-%
calcium chloride	10043-52-4	100

Non-hazardous ingredients

Proprietary

Balance

**Section 4: FIRST AID MEASURES**

**Description of first aid measures**

**General advice**

If symptoms persist, call a doctor.

**Inhalation**

Remove to fresh air. If symptoms persist, call a doctor. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapours. If breathing is difficult, give oxygen. Get medical assistance if cough or other symptoms appear.

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a doctor. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a doctor. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. 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.

**Ingestion**

Rinse mouth. Drink plenty of water. 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**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable extinguishing media**

Do not use straight streams

### **Specific hazards arising from the chemical**

No information available

### **Special protective actions for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### **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**

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapours/spray.

**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. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers.

**Incompatible materials**

None known based on information supplied.

**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. Face protection shield.

**Skin and body protection**

Suitable protective clothing. Apron. Gloves made of plastic or rubber.

**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**

<b>Physical state</b>	Solid	<b>Odour</b>	Odourless
<b>Appearance</b>	dry, free flowing granules	<b>Odour threshold</b>	No information available
<b>Colour</b>	off-white		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	10.4 - 10.6	in 1% Solution	
<b>Melting point / freezing point</b>	411 °C / 772 °C °F		
<b>Boiling point/boiling range</b>	1600 °C / 2912 °F		
<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>			

<b>Lower flammability limit:</b>		
<b>Vapour pressure</b>	0.00667 - 0.012 hpa	@ 20 °C
<b>Vapour density</b>		No information available
<b>Specific Gravity</b>		No information available
<b>Water solubility</b>	745 g/l	@ 20 °C
<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>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidising properties</b>	No information available	

**Other Information**

<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****Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

dust formation.

**Incompatible materials**

No information available.

**Hazardous Decomposition Products**

Calcium oxides. Hydrogen chloride.

## Section 11: TOXICOLOGICAL INFORMATION

**Acute toxicity****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	Irritating to eyes. May cause slight irritation.
<b>Skin contact</b>	Not expected to cause skin irritation under normal use conditions.

**Ingestion** May be 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)** 1,000.00  
**ATEmix (dermal)** 2,630.00

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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
calcium chloride	= 1000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-

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**

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
calcium chloride	-	10650: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	2280000 - 3948000: 48 h <i>Daphnia</i> <i>magna</i> µg/L LC50

**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**

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.

**Section 14: TRANSPORT INFORMATION****ADG**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**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** 17-Feb-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**