

Revision Date 05-Jan-2021

Version 3

SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product identifier

Product Name BioGuard Pool Magnet Plus

Product Code AF-0887

Other means of identification

UN Number 1760

Safety data sheet number 20023228

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

GHS Classification

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)

Label elements



Signal word

Warning

Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Specific treatment (see .? on this label)

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 ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before re-use

Other hazards

No information available

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

Chemical Name	CAS No	Weight-%
etidronic acid	2809-21-4	20 - 40
phosphonic acid	13598-36-2	0.5 - 1.5

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.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a doctor. Wash contaminated clothing before re-use. Wash off immediately with plenty of water. 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. 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

Immediate medical attention is not required. 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

No information available

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapours

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

Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

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

Do not mix with other swimming pool/spa chemicals in their concentrated forms. Strong oxidising agents. Bases.

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**

Physical state	liquid	Odour	Odourless
Appearance	aqueous solution	Odour threshold	No information available
Colour	colourless clear		
Property	Values	Remarks • Method	
pH	<3.5	No information available	
Melting point / freezing point		No information available	
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	Completely miscible with 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	1.23
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

Extremes of temperature and direct sunlight.

Incompatible materials

Do not mix with other swimming pool/spa chemicals in their concentrated forms. Strong oxidising agents. Bases.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Oxides of phosphorus.

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

Inhalation	May cause irritation of respiratory tract.
Eye contact	Severely irritating to eyes.
Skin contact	Irritating to skin.
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) 26,667.00

ATEmix (dermal) 22,077.61

36 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

1.2 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

37.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

37.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)

37.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

37.2% of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
etidronic acid	= 3130 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
phosphonic acid	= 1895 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

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
etidronic acid	-	868: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 360: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	527: 48 h <i>Daphnia magna</i> mg/L EC50
phosphonic acid	-	6980 - 9784: 96 h <i>Brachydanio rerio</i> mg/L LC50 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
etidronic acid	3.49

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

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

Section 14: TRANSPORT INFORMATION

Note: Limited quantity (LQ) exception is possible

ADG

UN Number	1760
Proper shipping name	Corrosive liquids, n.o.s. (Contains Phosphonic acid)
Hazard Class	8
Packing Group	III
Description	UN1760, Corrosive liquids, n.o.s. (Contains phosphonic acid), 8, III

IATA

UN/ID no	1760
Proper shipping name	Corrosive liquid, n.o.s. (contains Phosphonic acid)
Hazard Class	8
Packing Group	III
Description	UN1760, Corrosive liquid, n.o.s. (Contains phosphonic acid), 8, III

IMDG

UN/ID no	1760
Hazard Class	8
Packing Group	III
EmS-No	F-A, S-B
Description	UN1760, Corrosive liquid, n.o.s. (Contains phosphonic acid), 8, III

Marine pollutant	No
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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**

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 05-Jan-2021

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