MATERIAL SAFETY DATA SHEET
Calciblue MSDS

Issue date: July 2019 Review date:

SECTION 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product name: Calciblue

Recommended Use: To increase dietary intake of calcium and magnesium plus aid in the supply of energy for animals.

Company identification Address:
1229 Maraekakaho Road
Hastings 4175
New Zealand
Phone (06) 873 3611

Poisons Information Centre: 0800-764-766
Or CHEMCAL 0800-243-622 24hr emergencies only

Transport Emergency 111 Fire and police

SECTION 2: HAZARD IDENTIFICATION

2.1 Hazard classification: 6.1E, 6.3B, 6.4A

2.2 Priority Identifiers: WARNING

2.3 Hazard Classification and statements:

HSNO	HSNO	GHS	Signal Word	GHS Hazard Statement
6.1E	Acute Toxicity	Category 5	Warning	H303 May be harmful if swallowed
6.3B	Skin Irritant	Category 3	Warning	H316 Causes mild skin irritation
6.4A	Eye Irritant	Category 2	Warning	H319 Causes serious eye irritation.

SECTION 3: COMPOSITION INFORMATION

INGREDIENT	CAS Number.	% w/w	Hazardous
Water	7732-18-5	60	No
Calcium Chloride	10043-52-4	30-60	Yes 6.1D; 6.3A; 6.4A, 9.3C
Magnesium Chloride	7791-18-6	<10	Yes 6.1E; 6.4A
Monopropylene Glycol	57-55-6	<10	No
Xanthan Gum	11138-66-2	<10	No
Vitamin D3	67-97-0	<10	Yes 6.1B; 6.4A; 6.8B; 6.9A; 9.1D; 9.3A
Brilliant Blue	3844-45-9	<10	Yes 6.3B; 6.4A

SECTON 4: FIRST AID MEASURES

4.1 **SWALLOWED:** Wash mouth out with water. Give several glasses of cold clean water to drink. DO NOT induce vomiting. Seek medical advice.

4.2 **EYE:** Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation continues, seek medical attention.

4.3 **SKIN:** Irrigate with water. If irritation occurs, protect skin from further contact.

4.4 **INHALATION:** Highly unlikely. Remove to a well-ventilated area. Give artificial respiration if required.

SECTION 5: FIRE FIGHTING MEASURES

5.1 **FIRE HAZARD PROPERTIES:** Not flammable.

5.2 **EXTINGUISHING MEDIA & METHODS:** Use media suitable for surrounding fire.

5.3 **RECOMMENDED PROTECTIVE CLOTHING:** Use protective clothing appropriate to the surrounding fire.

SECTION 6: ACCIDENTIAL RELEASE MEASURES

6.1 **EMERGENCY PROCEDURES:** Stop leak if possible without personal risk. Contain spillage using absorbent such as sand or sawdust. Mop,sweep or shovel spills into labelled containers for re-use or disposal in an authorised landfill. Avoid allowing spillage to enters drains or waterways. Wear appropriate personal protective equipment recommended in Section 8.

SECTION: 7 HANDLING AND STORAGE

7.1 **HANDLING:** Handle upright in original labelled container with lid securely fastened. Avoid contact with eyes. Wash thoroughly after handling. Wear appropriate personal protective equipment recommended in Section 8. Minimise release of the material to the environment.

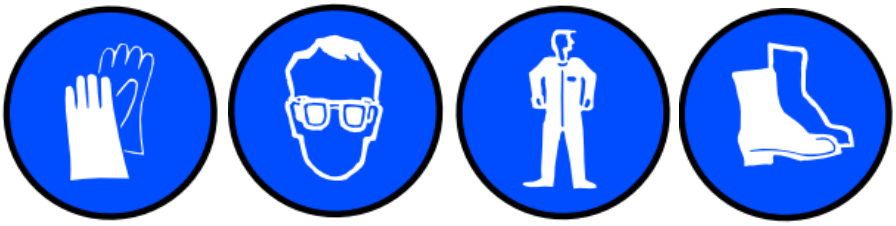
7.2 **STORAGE:** Store upright in a cool, dry place and in the original, properly labeled containers. Keep lid securely fastened.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 **EXPOSURE CONTROLS:** No workplace exposure standards established

8.2 **ENGINEERING CONTROLS:** Provide eyewash station and running fresh water.

8.3 **PERSONAL PROTECTIVE EQUIPMENT (PPE):**



8.4 **EYE AND SKIN PROTECTION**

Safety goggles: Product is a serious eye irritant
Overalls: Product may cause mild skin irritation
Safety boots: Product may cause mild skin irritation
Gloves: Product may cause mild skin irritation

Wash hands after use.

SECTION 9: PHYSICAL DESCRIPTION / PROPERTIES

Appearance: Blue liquid

Physical properties

PROPERTY	VALUE
State	Blue liquid
Odour	
Molecular Weight	
Melting Range (^{0}C)	
Boiling Range (^{0}C)	
Solubility in water (g/L, 20^{0}C)	Soluble
pH (saturated solution)	
pH (as supplied)	
Specific Gravity (water = 1)	
Relative Density (23^{0}C)	
Volatile Component	
Relative Vapour Density (air = 1)	
Vapour Pressure (kPa)	
Autoignition Temp (^{0}C)	
Flash Point (^{0}C)	Not flammable
Lower Explosive Limit (%)	
Upper Explosive Limit (%)	
Decomposition Temp (^{0}C)	
Viscosity	
Evaporation Rate	

SECTION 10: STABILITY AND REACTIVITY

10.1 **CHEMICAL STABILITY** Stable at normal temperatures and pressures.

10.2 **CONDITIONS TO AVOID** None.

10.3 **INCOMPATIBLE MATERIALS** Strong oxidizing agents.

10.4 **HAZARDOUS DECOMPOSITION PRODUCTS** None.

10.5 **HAZARDOUS REACTIONS** Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

SWALLOWED: No adverse effects expected, however, large amounts may cause nausea and vomiting.

EYE: Can cause serious eye irritation.

SKIN: Contact with skin may result in irritation

INHALED: No specific disorder or effects are identified. Inhalation of vapor, mist, spray, aerosol may cause slight respiratory tract irritation.

CHRONIC EFFECTS

Irritation/Corrosion: Prolonged exposure to skin may cause irritation.

Carcinogenic effects: Not considered to be a carcinogen.

Mutagenic effects: No information available.

Reproductive or developmental effects: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY
Avoid any contamination of fresh waterways.
Lepomis macrochirus: LC50: 10650 mg/L/96h (Calcium Chloride)

Chronic: No data

Phytotoxicity:

Persistence and Degradability: No information available.

Mobility: No information available.

Bioaccumulation: No information available.

BOD and COD: No information available.

Products of Biodegradation: No information available.

Toxicity of the Products of Biodegradation: No information available.

SECTION 13: DISPOSAL INFORMATION

Disposal Information: Triple rinse all empty containers. Dispose of in accordance with all local government regulations..

SECTION 14: TRANSPORT INFORMATION

Hazard Class: 6.1E; 6.3B; 6.4A

UN Number:

Packing Group:

Hazchem Code

Land Transport:

Sea Transport:

Air Transport:

Other Information:

SECTION 15: REGULATORY INFORMATION

HSNO Approval Number: N/A
HSNO Classifications:
6.1E (Acute toxicity)
6.3B (Mild skin irritation)
6.4A (Serious eye irritation)

SECTION 16: OTHER INFORMATION

Interpretation and Abbreviations
Controls applying to a substance:

- *denotes that changes have been made to these controls, further information on these changes is located in the transfer notice for that substance,
- (R) abbreviation for the term Regulation of the Hazardous Substances regulations

ISHL – Japanese Industrial Safety and Health Law List of Chemicals.
LOEL – Lowest Observed Effect Level.
LDLO – Lethal Dose Low (the lowest dosage per unit of bodyweight of a substance known to have resulted in fatality in a particular animal species).
MAK – Maximum workplace concentration in the workplace air that generally does not have known adverse effects on the health of the employee nor cause unreasonable annoyance when a person is repeatedly exposed during long periods, usually 8 hours daily, 40hour working week).
NOAA – National Oceanic and Atmospheric Administration.
NOEC – No Observed Effect Concentration.
NTP – National Toxicology Program.
NZIoC – New Zealand Inventory of Chemicals.
OECD HPV – The Organisation for Economic Co-operation and Development High Product Volume Chemicals.
PEL – Permissible exposure limit.
PPE – Personal Protective Equipment.
Prop 65 – California Proposition 65 List of Chemicals.
RTECS – Registry of Toxic Effects of Chemical substances
STEL – Short term exposure limit.
TOC – Total Organic Carbon.
TSCA – US Toxic Substances Control Act Existing Chemicals.
TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
VOC – Volatile Organic Compounds.

Sources of key data used to compile the datasheet:
Manufacturers SDS
NZ EPA CCID
Health and Safety at Work (Hazardous Substances) Regulations 2017
Hazardous Substances (Minimum Degrees of Hazard) Notice 2017
Hazardous Substances (Safety Data Sheets Notice 2017
Hazardous Substances (Classification) Notice 2017
Labelling of Hazardous Substances Technical Guide 2012

DISCLAIMER
The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.