

# SAFETY DATA SHEET

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** **CALCIBLUE**

**UN NUMBER:**

**PRODUCT USE:** To increase dietary intake of calcium and magnesium plus aid in the supply of energy for animals.

**SUPPLIER:** Contract Packaging and Storage Limited  
44 Aerodrome Road  
PO Box 4676  
Mount Maunganui 3149

**Telephone:** +64 7 575 8853

**24 HOUR EMERGENCY CONTACT: 0800 764 766 (National Poisons Centre)**

**DATE OF PREPERATION:** 17 September 2024 Revision 2

## Section 2: HAZARDS IDENTIFICATION

### STATEMENT OF HAZARDOUS NATURE

This product is **HAZARDOUS IN THIS FORM AND AT THIS STRENGTH.**  
Handle correctly and as directed by this SDS.

### HAZARD LABELLING WARNING



### HAZARD CLASSIFICATION AND STATEMENTS

GHS	Signal Word	GHS Hazard Statement
Eye irritation Category 2	Warning	H319 Causes serious eye irritation.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash hands thoroughly after handling.

P280: Wear eye protection.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### COMPOSITION

NAME	CAS NUMBER	% w/w	HAZARDOUS under GHS
Water	7732-18-5	>60	No
Calcium Chloride	10043-52-4	30-60	Eye irritation Category 2
Magnesium Chloride	7791-18-6	<10	No
Monopropylene Glycol	57-55-6	<10	No
Xanthan Gum	11138-66-2	<10	No
Vitamin D3	67-97-0	<10	Acute oral toxicity Category 2 Acute dermal toxicity Category 2 Acute Inhalation Toxicity - Dusts and Mists Category 2 Specific target organ toxicity - (repeated exposure) Category 1 Target Organs - Kidney, Bone
Brilliant Blue	3844-45-9	<10	No

# SAFETY DATA SHEET

## Section 4: FIRST AID MEASURES

### SWALLOWED

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

### EYE

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

### SKIN

Irrigate with water. If irritation occurs, protect skin from further contact.

### INHALATION

Highly unlikely. Remove to a well-ventilated area. Give artificial respiration if required.

## Section 5: FIRE FIGHTING MEASURES

### FIRE HAZARD PROPERTIES

Not flammable.

### EXTINGUISHING MEDIA & METHODS

Use media suitable for surrounding fire.

### RECOMMENDED PROTECTIVE CLOTHING

Use protective clothing appropriate to the surrounding fire.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 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 enter drains or waterways. Wear appropriate personal protective equipment recommended in Section 8.

## Section 7: HANDLING AND STORAGE

### 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.

### STORAGE

Store upright in a cool, dry place and in the original, properly labeled containers. Keep lid securely fastened. Protect from physical damage. Keep out of reach of children.

# SAFETY DATA SHEET

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROLS

No workplace exposure standards established

### ENGINEERING CONTROLS

Provide eyewash station and running fresh water.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)



### 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 AND CHEMICAL PROPERTIES

### APPEARANCE

Blue liquid

### PHYSICAL PROPERTIES

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

## Section 10: CHEMICAL STABILITY AND REACTIVITY

### CHEMICAL STABILITY

Stable at normal temperatures and pressures.

### CONDITIONS TO AVOID

None.

### INCOMPATIBLE MATERIALS

Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

None.

### 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.

# SAFETY DATA SHEET

## 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 CONSIDERATIONS

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

## Section 14: TRANSPORT INFORMATION

**Hazard Class:** Eye irritation Category 2

**UN Number:**

**Packing Group:**

**Hazchem Code**

**Land Transport:**

**Sea Transport:**

**Air Transport:**

**Other Information:**

## Section 15: REGULATORY INFORMATION

**HSNO Approval Number:** N/A

**GHS Classifications:** Eye irritation Category 2

**Regulatory status:**

## 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

AICS – Australian Inventory of Chemical Substances

AOX – Absorbable organic halogens.

APF – Assigned Protection Factor.

# SAFETY DATA SHEET

BOD – Biochemical Oxygen Demand China  
COD – Chemical Oxygen Demand  
DSL – Canadian Domestic Substances List.  
EINECS – European Inventory of Existing Commercial Chemical Substances.  
ENCS – Japanese Existing and New Chemical substances.  
IARC – International Agency for Research on Cancer.  
IDLH – Immediately Dangerous to Life or Health Concentrations.  
ISHL – Japanese Industrial Safety and Health Law List of Chemicals.  
LOEL – Lowest Observed Effect Level.  
LD<sub>Lo</sub> – 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 information contained in this safety data sheet was obtained from current and reliable sources. This data is supplied without warranty, expressed or implied, regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.*

**END OF SDS**