

Safety Data Sheet

according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

1 Identification

Product Name: EZYFLOW CALBUD**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Trace element supplement**Details of Manufacturer or Importer:**

Landmark Operations Limited
16 Ocean Street,
Kwinana, 6167, WA

Phone Number: (02) 9889 5400**Emergency telephone number:** National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



health hazard

Toxic To Reproduction 1B H360FD May damage fertility. May damage the unborn child.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word Danger**Hazard Statements**

H360FD May damage fertility. May damage the unborn child.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P391 Collect spillage.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 1314-13-2	Zinc oxide	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<10%
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CAS: 10043-35-3	Boric acid	 Toxic To Reproduction 1B, H360FD	<1%
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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause mild eye irritation.

Ingestion: May cause mild gastrointestinal irritation.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

No hazardous decomposition products known.

This product is not flammable.

Containers close to fire should be removed only if safe to do so.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 Handling and Storage

Precautions for Safe Handling:

May damage fertility or the unborn child. Pregnant women must not handle this product.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and

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other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from extreme temperatures and direct sunlight. Protect from frost. Keep away from strong oxidising agents, strong acids and strong bases.

Store at 5 - 30°C.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 1314-13-2 Zinc oxide**

NES	STEL: 10** mg/m ³ TWA: 10* 5** mg/m ³ *dust **fume
WES	STEL: 10** mg/m ³ TWA: 10* 5** mg/m ³ *dust **fume

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

Skin Protection:

PVC or nitrile gloves are recommended. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid suspension
Colour:	Cream
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	8 - 9.5 (10%)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	~100 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Density at 20 °C:	1.5 g/cm ³

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Relative Density:	Not determined.
Vapour Density:	Not determined.
Evaporation Rate:	Not determined.
Partition Coefficient (n-octanol/water):	Not determined.
Water:	89.0 %
Solids content:	<11.0 %

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Extreme temperatures and direct sunlight.

Incompatible Materials: Strong oxidising agents, strong acids and strong bases.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

CAS: 1314-13-2 Zinc oxide

Oral	LD ₅₀	>5,000 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	>5.7 mg/l (rat)

CAS: 10043-35-3 Boric acid

Oral	LD ₅₀	>2,660 mg/kg (rat)
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Acute Health Effects

Inhalation: May cause mild respiratory irritation.

Skin: May cause mild skin irritation.

Eye: May cause mild eye irritation.

Ingestion: May cause mild gastrointestinal irritation.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: May damage fertility or the unborn child.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: Prolonged skin contact may cause severe dermatitis known as 'oxide pox'.

Existing Conditions Aggravated by Exposure: No information available

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Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

CAS: 1314-13-2 Zinc oxideEC₅₀/48 h 6.9-16.2 mg/l (daphnia)EC₅₀/72 h 0.136 mg/l (selenastrum capricornutum)LC₅₀/96 h 2,246 mg/l (fathead minnow)

0.33-0.78 mg/l (rainbow trout)

CAS: 10043-35-3 Boric acidEC₅₀/48 h 133 mg/l (daphnia)LC₅₀/96 h 279 mg/l (fish)**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number**ADG, IMDG, IATA** UN3082**Proper Shipping Name****ADG, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc oxide)**IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Zinc oxide),
MARINE POLLUTANT**Dangerous Goods Class****ADG Class:** 9 Miscellaneous dangerous substances and articles.**Packing Group:****ADG, IMDG, IATA** III**Marine pollutant:** Symbol (fish and tree)**EMS Number:** F-A,S-F**Limited Quantities:** 5L

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 1314-13-2 Zinc oxide

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CAS: 10043-35-3	Boric acid
CAS: 7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 07.05.2019

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percent

LD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Toxic To Reproduction 1B: Reproductive toxicity – Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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