

Version 1.1

Issue date 04/10/2024

**SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY**

## Product Identifier

Product Name	Tri-Cal Plus
Other Names	Ca 2 Go, Calcium Booster
Proper Shipping Name	None
Other means of Identification	None

## Relevant identified uses of the substance or mixture

Relevant identified uses	A ready to use liquid calcium supplement for dairy cows needing a source of bio-available calcium at or before calving.
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## Details of the supplier of the safety data sheet

Registered company name	Vetpak Limited
Address	249 Bruce Berquist Dr, Te Awamutu 3800.
Telephone	(07) 870 2024
Website	www.vetpak.co.nz
Email	sales@vetpak.co.nz

## Emergency telephone numbers

Association/ Organisation	New Zealand National Poison information centre
Emergency telephone number	0800 764 766 (07) 870 2024 Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays.
Other emergency telephone numbers	New Zealand emergency services 111

**SECTION 2 – HAZARDS IDENTIFICATION**

## Hazard Classification:

This product is not hazardous according to the criteria of the Globally Harmonised System of classification and labelling of chemicals (GHS)

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

## Mixtures

CAS Number	% (weight)	Name
50 – 70 – 4	10 – 30%	Sorbitol 70
7758 – 87 – 4	10 – 30%	Tricalcium Phosphate
10043 – 52 – 4	< 5%	Calcium chloride flake
1317 – 65 – 3	< 5%	Calcium carbonate
None	< 5%	Vetmag Ultrafine (Trace mixture)
None	< 5%	Electrolyte (mixture)
84775 – 78 – 0	< 1%	Seaweed Powder

68439 – 50 – 9	< 1%	Wetting Agent
11138 – 66 – 2	< 1%	Suspension Agent
57 – 55 – 6	< 1%	Monopropylene Glycol
25322 – 69 – 4	< 1%	Panapple essence
7732 – 18 – 5	To 100%	Water

## SECTION 4 – FIRST AID MEASURES

### Description of first aid measures

Eye contact	<ul style="list-style-type: none"> <li>➤ If it is in contact with the eyes, immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water</li> <li>➤ Remove contact lenses if present and easy to do</li> <li>➤ If eye irritation persists, get medical advice/attention.</li> </ul>
Skin contact	<ul style="list-style-type: none"> <li>➤ Wash with plenty of soap and water.</li> <li>➤ Take off contaminated clothing and wash it before reuse.</li> <li>➤ If skin irritation occurs, get medical advice/attention.</li> </ul>
Inhalation	<ul style="list-style-type: none"> <li>➤ If respiratory symptoms occur, get medical advice/attention.</li> </ul>
Ingestion	<ul style="list-style-type: none"> <li>➤ Rinse mouth then drink a glass of water. Do not induce vomiting. Get medical advice/attention if you feel unwell.</li> <li>➤ Never give anything by mouth to an unconscious person.</li> </ul>
Advice to the doctor	Treat symptomatically and supportively. Most important symptoms and effects, both acute and delayed: None known.

## SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media	<ul style="list-style-type: none"> <li>➤ In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions:</li> <li>➤ Water - water spray</li> <li>➤ Dry powder</li> <li>➤ Foam</li> <li>➤ Carbon dioxide (CO<sub>2</sub>).</li> </ul>
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Flammability Conditions	➤ This product is not flammable
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### Advice for fire fighters

Fire fighting	<ul style="list-style-type: none"> <li>➤ Alert fire brigade and tell location and nature of hazard</li> <li>➤ Wear breathing apparatus plus protective gloves in the event of a fire</li> <li>➤ Prevent spillage from entering the waterways or drains</li> <li>➤ Consider evacuation (or protect in place)</li> </ul>
Fire Hazard Properties	➤ Contain runoff from fire control or dilution water
Protection Equipment	➤ Wear positive pressure self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Minor spills	<ul style="list-style-type: none"> <li>➤ Clean up spills immediately</li> <li>➤ Avoid contact with skin and eyes</li> <li>➤ Contain and absorb small quantities with absorbent material like sawdust and sand</li> </ul>
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Major spills	<ul style="list-style-type: none"> <li>➤ Alert fire brigade and tell them location and nature of hazard</li> <li>➤ Prevent spillage from entering the waterways or drains</li> <li>➤ Consider evacuation (or protect in place)</li> <li>➤ Increase ventilation as required</li> </ul>
Clean Up Procedures	<ul style="list-style-type: none"> <li>➤ Recover large spills for salvage or disposal. Pick up spills/residues with sand or other non-combustible absorbent material and place into containers for later disposal. Never return spills into original containers for re-use.</li> </ul>
Containment	<ul style="list-style-type: none"> <li>➤ Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Dike far ahead of large spill for later disposal.</li> </ul>
Environment Precaution Measures	<ul style="list-style-type: none"> <li>➤ Prevent entry into drains and waterways.</li> <li>➤ Dispose of any absorbent material properly according to local authority regulations</li> </ul>

## SECTION 7 – HANDLING AND STORAGE

### Precautions for safe handling

Safe Handling	<ul style="list-style-type: none"> <li>➤ Safety showers and eyewash facilities should be provided within the immediate work area for emergency use.</li> <li>➤ Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.</li> <li>➤ Avoid inhalation and contact with eyes, skin and clothing.</li> <li>➤ Do not ingest. Use personal protective equipment as required</li> </ul>
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### Conditions for safe storage, including any incompatibilities

Suitable container	<ul style="list-style-type: none"> <li>➤ Keep in the original container</li> </ul>
Storage incompatibility	<ul style="list-style-type: none"> <li>➤ Store in a cool, dry and well-ventilated place</li> <li>➤ Keep container tightly closed when not in use - check regularly for leaks.</li> <li>➤ Protect against physical damage.</li> </ul>

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

General	New Zealand Workplace Exposure Standard: None
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### Exposure controls

Appropriate engineering controls	<p>A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.</p> <p>Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Always wash hands before smoking, eating, drinking or using the toilet.</p> <p>Wash contaminated clothing and other protective equipment before storage or re-use.</p>
Personal protection	
Eye and face protection	<ul style="list-style-type: none"> <li>➤ Safety glasses with side shields</li> <li>➤ Chemical goggles</li> <li>➤ Contact lenses may pose a special hazard soft contact lenses may absorb and concentrate materials.</li> <li>➤ Medical personnel should be trained and readily available in the event of chemical exposure; they should begin eye irrigation and remove contact lenses as soon as practicable. Lenses should be removed at the first sign of eye irritation</li> </ul>



Skin protection	Wear general protective gloves e.g. light weight rubber gloves
Hand / feet protection	As above for hands; wear appropriate footwear for the environment
Other protection	<ul style="list-style-type: none"> <li>➤ Overalls</li> <li>➤ PVC protective gear</li> <li>➤ Eyewash facilities</li> <li>➤ Ensure there is ready access to a safety shower</li> </ul>

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid	Relative density (Water = 1)	Not available
Odour	Not available	Auto ignition temperature	Not available
Odour threshold	Not available	Decomposition temperature	Not available
pH	Not available	Water Solubility	Soluble
Melting point (°C)	Not available	Molecular weight (g/mol)	Not available
Flash point (°C)	Not available	Explosive properties	Not explosive
Evaporation rate	Not available	Oxidising properties	Not available
Flammability	Not available	Volatile component (% vol)	None

## SECTION 10 – STABILITY AND REACTIVITY

General Information	Stable under recommended storage conditions
Chemical stability	Stable under normal conditions of use.
Conditions to avoid	Avoid excessive heat
Hazardous decomposition Products	Hazardous decomposition will not occur
Hazardous Polymerisation	Hazardous polymerisation will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

General Information	Not applicable.
Swallowed	Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting
Inhalation	Not normally a hazard due to the non-volatile nature of the product.
Eyes	May cause slight to moderate eye irritation in sensitive individuals.
Skin	No adverse effects are expected under normal use conditions
Chronic Toxicity	Not applicable
Carcinogen	Not a suspected of carcinogen
Mutagen	Not a suspected of causing mutagenic defects
Reproductive Toxicity	Not suspected of causing genetic defects

## SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	Not considered harmful, but avoid contaminating waterways, drains and sewers as good practice.
Persistence/Degradability	This product is biodegradable
Bioaccumulation Potential	No information available



Mobility	No data
Environmental Impact	No information available

## SECTION 13 – DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product / packaging disposal	<ul style="list-style-type: none"> <li>➤ Do not allow wash water from cleaning or process equipment to enter drains</li> <li>➤ It may be necessary to collect all wash water for treatment before disposal</li> <li>➤ In all case disposal to sewer may be subject to local laws and regulations and these should be considered first</li> <li>➤ If in doubt contact the responsible authority</li> <li>➤ Contact manufacturer for recycling options or consult local or regional waste management authority for disposal</li> </ul>
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## SECTION 14 – TRANSPORT INFORMATION

### Labels required

Marine Pollutant	NO
HAZCHEM	Not Hazardous

### Land transport (ADG) - Air transport (ICAO-IATA / DGR) - Sea transport (IMDG / GGVSee)

UN Number	No data available
Packing group	No data available
UN proper shipping name	No data available
Environmental hazard	Not Hazardous
Transport hazard classes	Check regulations
Special precautions for user	Handle with care. Stack correctly. Transport upright in the original container with the lid tightly closed. Avoid spillage and any release into the environment

## SECTION 15 – REGULATORY INFORMATION

### Safety, health and environment regulations / legislation specific for the substance or mixture

GHS Codes	None
National Inventory	Status - Approved
Australia – AICS	Yes
Europe – EINEC / ELINCS / NLP	Yes
New Zealand – NZIoC	Yes - All ingredients are on the inventory
Environmental Protection Authority (New Zealand)	This product is exempt from registration, being an oral nutritional compound compliant with S4 of the ACVM regulations 2001
Approval Code	None

## SECTION 16 – OTHER INFORMATION

While Vetpak Limited in good faith has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Vetpak Limited accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

New Zealand National Poison Information Centre: 0800 764 766  
New Zealand Emergency Services: 111  
Vetpak Limited: +64 7 870 2024



#### Definitions and abbreviations

PC – TWA	Permissible concentration – time weighted average
PC – STEL	Permissible concentration – short term exposure limit
IARC	International agency for research on cancer
ACGIH	American conference of Government Industrial Hygiene
STEL	Short term exposure limit
TEEL	Temporary emergency exposure limit
IDLH	Immediate dangerous to life or health concentration
OSF	Odour safety factor
NOAEL	No observed adverse effect level
LOAEL	Lowest observed adverse effect level
TLV	Threshold limit value
LOD	Limit of detection
OTV	Odour threshold value
BCF	BioConcentration factors

**END OF SDS**

