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

Product Identifier

Product Name	Triple Mix
Other Names	None
Proper Shipping Name	None
Other means of Identification	None

Relevant identified uses of the substance or mixture

Relevant identified uses	A nutritional supplement for cattle and sheep

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 – Poisons Hotline (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
57 – 55 – 1	30 – 60 %	Monopropylene Glycol
120962 – 03 – 0	10 – 30 %	Canola/Corn Oil
1317 – 65 – 3	< 10 %	Calcium Carbonate
8002 – 43 – 5	< 10 %	Lethicin
50 – 70 – 4	< 10 %	Sucram 3D
7791 – 18 – 6	< 10 %	Magnesium Chloride
4075 – 81 – 4	< 10 %	Calcium Propionate

10043 – 52 – 4	< 10 %	Calcium Chloride
68439 – 50 – 9	< 10 %	C12-14, ethoxylated Alcohols
11138 – 66 – 2	< 10 %	Xanthan Gum
7732 – 18 – 5	To 100 %	Water

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

Eye contact	If this product comes in contact with eyes ➢ Flush out immediately with water ➢ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel ➢ Continue rinsing for 15 minutes, if eye irritation persists seek medical attention
Skin contact	If skin or hair contact occurs ➢ Remove and isolate contaminated clothing and shoes ➢ Wash skin and hair with running water (and soap if available) ➢ Seek medical attention in event of irritation
Inhalation	➢ Remove victim to fresh air and keep warm ➢ Remove and isolate contaminated clothing and shoes and loosen other clothing ➢ If symptoms persist seek medical attention
Ingestion	➢ Immediately give a glass of water to rinse mouth do not induce vomiting ➢ Never give anything by mouth to an unconscious person ➢ Seek medical attention if symptoms develop and persist
Advice to the doctor	➢ Show this safety data sheet (SDS) to the doctor in attendance. Treat symptomatically. Keep victim calm and warm. ➢ Ensure that medical personnel are aware of the material involved and take precautions to protect themselves

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media	➢ In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions: ➢ Water - water spray ➢ Dry powder ➢ Foam ➢ Carbon dioxide (CO2).

Special hazards arising from the substrate or mixture

Fire incompatibility	➢ This product is non flammable

Advice for fire fighters

Fire fighting	➢ Alert fire brigade and tell location and nature of hazard ➢ Wear breathing apparatus plus protective gloves in the event of a fire ➢ Prevent spillage from entering the waterways or drains ➢ Consider evacuation (or protect in place) ➢ Fight the fire from a safe distance and adequate cover
Fire/explosion hazard	➢ This product is non flammable

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

	➢ Clean up spills immediately

Minor spills	➢ Avoid contact with skin and eyes ➢ Contain and absorb small quantities with absorbent material
Major spills	➢ Clear area of personnel and move upwind ➢ Alert fire brigade and tell them location and nature of hazard ➢ Prevent spillage from entering the waterways or drains ➢ Consider evacuation (or protect in place)
Clean Up Procedures	➢ Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. ➢ Collected material should be promptly disposed of in accordance with appropriate laws and regulations
Containment	➢ Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Safe Handling	➢ Wear protective clothing when risk of exposure occurs ➢ Use in a well ventilated area ➢ When handling do not eat, drink or smoke
Other information	➢ Store away in a dry cool well ventilated area ➢ Use site signage for large quantities ➢ Protect containers from damage and check regularly for leaks ➢ Observe manufacturers storage and handling documentation advice

Conditions for safe storage, including any incompatibilities

Suitable container	➢ Packing as supplied by manufacturer ➢ Plastic containers may only used if approved by manufacturer ➢ Check containers are clearly labelled and free from leaks
Storage incompatibility	➢ Store upright in original labeled container with lid securely fastened

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

General	The time weighted average (TWA) concentration, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week is: Not applicable

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level protection. The basic controls are: Process controls which involve changing the job activity or process to reduce risk Enclosure and or isolation source control keeping workers physically safe Ventilation that strategically adds and removes air in work environment.
Personal protection	
	➢ Safety glasses with side shields ➢ Chemical goggles ➢ Contact lenses may pose a special hazard soft contact lenses may absorb and

Eye and face protection	concentrate materials. ➢ Medical personal 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
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
Body protection	Overalls or PVC Aprons
Other protection	➢ Overalls ➢ PVC Aprons ➢ PVC protective gear ➢ Eyewash facilities ➢ Ensure there is ready access to a safety shower

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Caramel coloured, viscous free-flowing liquid suspension	Relative density (Water = 1)	Not available
Odour	Pleasant oily smell	Specific Gravity	1.17 (water = 1.0)
Odour threshold	Not available	Decomposition temperature	Not available
pH	No data	Viscosity	Not available
Melting point (^oC)	Not available	Molecular weight (g/mol)	Not available
Boiling point (^oC)	Not available	Taste	Not available
Flash point (^oC)	Not available	Explosive properties	Not available
Evaporation rate	Not Available	Water Solubility	Soluble
Flammability	Not flammable	Volatile component (% vol)	Not available

SECTION 10 – STABILITY AND REACTIVITY

General Information	Stable under normal conditions
Chemical stability	Stable under normal conditions
Conditions to avoid	Avoid excessive heat, moisture and high temperatures
Hazardous decomposition Products	Produces CO_2
Hazardous Polymerisation	Hazardous polymerisation will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

General Information	No toxicology data
Ingestion	Unknown. Product is not likely to have an acute effect
Skin	Is not normally a skin irritant. Some sensitive individuals may have a mild skin reaction
Eyes	May be irritating to the eyes
Inhalation	Not likely to cause respiratory irritation. Consult a physician if symptoms occur.
Chronic Effects	Not known
Irritation/Corrosion	Skin allergy and irritation

Carcinogenic Effects	Not suspected of being a carcinogen
Mutagenic Effects	Not suspected of causing genetic defects
Reproductive or Developmental Effects	Not known

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	Not known to be hazardous to the environment. Avoid release to waterways, sewers and storm water drains
Persistence/Degradability	No information available
Bioaccumulation Potential	No information available
Environmental Impact	No information available
Mobility in soil	No information available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / packaging disposal	➢ Do not allow wash water from cleaning or process equipment to enter drains ➢ It may be necessary to collect all wash water for treatment before disposal ➢ In all case disposal to sewer may be subject to local laws and regulations and these should be considered first ➢ If in doubt contact the responsible authority ➢ Contact manufacturer for recycling options or consult local or regional waste management authority for disposal

SECTION 14 – TRANSPORT INFORMATION

Labels required

Marine Pollutant	No
HAZCHEM	Not classified as 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	No data available
Transport hazard classes	No data available
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	This product is exempt from registration, being an oral nutritional compound compliant

Authority (New Zealand)	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	Bio Concentration factors

END OF SDS