

SAFETY DATA SHEETS

This SDS packet was issued with item:

078911955

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078911954

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 Consulted for specific requirements.

IDENTITY (As used on Label and List) Transition™ Calcium Bolus	<i>Note:</i> Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section 1

Manufacturer's Name MAI P/S Division	Emergency Telephone Number 715-778-5822
Address (Number, Street, City, State and Zip Code) P.O. Box 39	Telephone Number for Information 715-778-5822
Spring Valley, WI 54767	Date Prepared 10/9/2013
	Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical identity; Common Names(s))			Other limits		
Chemical Name	Common Name(s)	CAS Number	OSHA PEL	ACGIH TLV	Recommended
Calcium Chloride		10043-52-4			
Calcium Carbonate		471-34-1			
Calcium Propionate		4075-81-4			
Cholecalciferol		67-97-0			

Section III – Physical/Chemical Characteristics

Boiling Point No Data		Specific Gravity (H2O =1) No Data	
Vapor Pressure (mm Hg.) 0.01 hPa		Melting Point No Data	
Vapor Density (Air = 1) 2.2 g/l		Evaporation Rate (Butyl Acetate = 1) No Data	
Solubility in Water Complete, colorless 1 M in H2O, 20 C			

Appearance and Odor
Physical State: White Large Time Release Tablet/Odorless.

Section IV – Fire and Explosion Hazard Data

Flammability: Unknown	Flammable Limits unknown	LEL Unknown	UEL Unknown
Extinguishing Media: Dry Chemical powder			
Special Fire Fighting Procedures; None			
Unusual Fire and Explosion Hazards: None			

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid None n/a
	Stable	x	
Incompatibility (Materials to Avoid) None			
Hazardous Decomposition : None			
Hazardous Polymerization	May Occur		Conditions To Avoid n/a
	Will Not Occur	x	

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X	Eyes? X
Health Hazards (<i>Acute and Chronic</i>) Eye: May cause stinging, tearing, itching, swelling, and/or redness. Skin: Prolonged contact may be drying or transiently irritating to skin.. Inhalation: none Ingestion: May result in nausea, vomiting, and/or diarrhea.				
Hazardous livestock remedy. Product is not intended for human consumption.				

Carcinogenicity:	NTP?	IARC Monographs ?	OSHA Regulated?
Signs and Symptoms of Exposure None known.			
Medical Conditions Generally Aggravated by Exposure None known			
Emergency and First Aid Procedures Eye: Flush thoroughly with water for 15 minutes. Skin: If prolonged contact occurs, rinse thoroughly with water. Inhalation: none Ingestion: Drink 2 or 4 glasses of milk do not induce vomiting.			

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Evacuate area.
Waste Disposal Method
Precautions to Be Taken in Handling and Storing Store in cool dry environment. Avoid contact with intense heat and open flame. Keep out of reach of children.
Other Precautions: Eyewash station and safety shower should be available within the hazards presented by this material.

Section VIII – Control Measures

Respiratory Protection (<i>Specify Type</i>) none		
Ventilation	Local Exhaust none	Special
	Mechanical (<i>General</i>) none	Other
Protective Gloves none	Eye Protection none	
Other Protective Clothing or Equipment Eyewash station and safety shower should be available within the hazards presented by this material.		
Work/Hygienic Practices Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.		

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Reasonable care has been taken in the preparation of this document, but no warranties are extended and no representation made as to the accuracy or completeness of the information. Since MAI P/S Division has no control over the ultimate use of this product, it is the responsibility of the user to determine the conditions of its safe use.

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Section 1: Identification of the substance or mixture and of the supplier. Includes GHS product identifier, recommended use and restrictions on use, supplier's details, emergency contact information.

Product Name:	TRANSITION Calcium Bolus
Company Name:	MAI P/S Division
Address:	PO Box 39
City, State, Zip:	Spring Valley, WI 54767
Phone:	715-778-5822
In case of Emergency Contact:	800-222-1222
Contact:	Poison Control Center

Section 2: Hazards identification. Includes GHS classification, GHS label elements, and other hazards not resulting in classification or not covered by GHS.

Form:	Solid	Liquid	Gas
	X		

GHS Classification:				X					
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GHS Classification:

GHS Label Element:	Health Hazard	Flame	Exclamation Mark	Gas Cylinder	Corrosion	Exploding Bomb	Skull & Crossbones	Environment	Flame Over Circle
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Other hazards which do not result in classification:	
Hazard Communication (29CFR 1910.1200)	

Section 3: Composition/information on ingredients. Includes information on chemical ingredients, such as chemical identity and concentrations.

Material Name	CAS Number	Concentration
Calcium chloride anhydrous	10043-52-4	Proprietary
Calcium carbonate	471-34-1	Proprietary
Calcium propionate	4075-81-4	Proprietary
Hydrogenated soybean oil	8016-70-4	Proprietary
Cholecalciferol	67-97-0	Proprietary

Section 4: First aid measures. Includes description of necessary measures, most important symptoms/effects, and indication of immediate medical attention and special treatment needed.

General Advice:	Keep away from children. For animal use only
If Inhaled:	Remove from contaminated area and seek medical attention.
In case of skin contact:	Wash contact area with soap and warm water. Product will cause skin dryness.
In case of eye contact:	Rinse eyes with cold water for 15 minutes. Seek medical attention if irritation persists.
If swallowed:	Do not induce vomiting. Seek medical attention.

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Most Important symptoms and effects, both acute and delayed	
Note to physician	Product contains calcium chloride, a highly available calcium source. If ingested note symptoms of hypercalcemia.
In case of Emergency - Contact:	

Section 5: Firefighting measures. Includes suitable extinguishing techniques, specific hazards from fire, and special protective equipment and precautions for firefighters.

Suitable extinguishing techniques	NA
Un-suitable extinguishing techniques	NA
specific hazards for firefighters	NA
special protective equipment & precautions for firefighters	
Further Information	

Section 6: Accidental release measures. Includes precautions, protective equipment, emergency procedures, environmental precautions, and methods for containment and cleanup.

Environmental precautions,	Mild oxidant.
Personal precautions & protective equipment	Wear gloves and safety glasses when using the product
Emergency procedures	
Methods for containment & cleanup	Dissolve in water and dispose of in accordance with local, state and federal laws.
Further Accidental Release Notes	

Section 7: Handling and storage. Includes Precautions for safe handling, and Conditions for safe storage, including any incompatibilities

Precautions for safe handling	Store in a cool dry place away from direct sunlight.
Conditions for safe storage	
Any incompatibilities	

Section 8: Exposure controls/personal protection. Includes Occupational exposure limits or Biological exposure limits, appropriate engineering controls, and Personal Protective Equipment (PPE).

Occupational exposure limits	
Biological exposure limits	
appropriate engineering controls	
Personal Protective Equipment (PPE)	
Respiratory	
Hands	
Eyes	

Section 9: Physical and chemical properties. Includes the chemical's characteristics (appearance, odor, pH, flash point, vapor pressure, etc.).

Form	Solid
Color	white to light tan
Odor	Wax resin smell
Odor Threshold	
Melting point	120-130°F
Boiling point/boiling range	NA

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Density	1.56 g/ml
Bulk density	NA
Vapor pressure	NA
Viscosity, dynamic	NA
Viscosity, kinematic	NA
Flow time	NA
Surface tension	NA
Miscibility with water	Yes
Water solubility	Yes
pH	NA
Relative density	NA
Partition coefficient	NA
Solubility(ies)	Water
flash point	NA
Flammability (solid, gas)	NA
Explosion limits	NA

Section 10: Stability and reactivity. Includes reactivity, chemical stability, possible hazardous reactions, conditions to avoid, incompatible materials, and hazardous decomposition products.

Conditions to avoid	Protect against moisture
Materials to avoid	Strong Acids
Hazardous reactions	NA
Thermal decomposition	NA
Hazardous decomposition products	NA
Oxidizing properties	Mild Oxidant

Section 11: Toxicological information. Includes routes of exposure, related symptoms, acute and chronic effects, and numerical measures of toxicity.

Carcinogenicity	
STOT - single exposure	
STOT - repeated exposure	

Section 12: Ecological information. Includes ecotoxicity, persistence and degradability, bioaccumulative potential, mobility in soil, and other adverse effects.

General advise	
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Section 13: Disposal considerations. Includes description of waste residues, and information on their safe handling and methods of disposal.

Section 14: Transport information. Includes UN number, UN proper shipping name, transport hazard classes, packing group, environmental hazards, transport in bulk, and special precautions.

GHS Classification:					X				
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GHS Label Element:	Health Hazard	Flame	Exclamation Mark	Gas Cylinder	Corrosion	Exploding Bomb	Skull & Crossbones	Environment	Flame Over Circle
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Safety Data Sheet

Land transport (CFR)
US Sea transport (IMDG)
US Air transport (ICAO / IATA cargo aircraft only)
US Air transport (ICAO / IATA passenger & cargo aircraft)
International IATA

Section 15: Regulatory information. Includes safety, health and environmental regulations specific for the product in question.

US. EPA Emergency Planning & Community Right-to Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Components:

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US. EPA Emergency Planning & Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components:

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US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components:

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California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects of other reproductive harm.

OSHA Hazcom Standard Rating:

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Section 16: Other information. Includes information on the preparation and revision of the SDS.

Further Information

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by MAI P/S Division to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. MAI P/S Division assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.