



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Virtus Nutrition LLC Effective Date: 1/1/2014
520 Industrial Way Revision: NONE
Corcoran, Ca 93212 Last Revision Date: 7/1/11
Phone: (559) 992-5033 Emergency Phone: 1-800-225-4519
MSDS No: 1020130 PAGE 1 of 3

PRODUCT: Prequel™

Chemical Name: Calcium salts of long chain fatty acid mixture

Chemical Family: Calcium salts of long chain fatty acids

Chemical Formula: Complex hydrocarbon

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	AAFCO No.	Wt%
Calcium salts of long chain fatty acid mixture	mixture	33.14	95%

Exposure Guidelines

OSHA Standards: None established for this product; Nuisance dust limits established - 8 hr. Time-Weighted **Average (TWA):** 15 mg/m³ (total dust); 5 mg/m³ (respirable dust)

NIOSH Recommendations: None established.

ACGIH Threshold Limit Values: None established for this product; Nuisance dust limits established - 8 hr. Time-Weighted Average (TWA): 10 mg/m³ (total - Particulates Not Otherwise Classified)

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview

This product is considered to be non-toxic; however it may be slightly irritating to the eyes, causing temporary redness and tearing. This product may be difficult to extinguish if involved in a fire.

HMS Ratings:	Health	Flammability	Reactivity
	1	1	0

Key: 0 - Minimal, 1 - Slight, 2 - Moderate, 3 - Serious, 4 - Severe

Potential Health Effects

Target Organs: Respiratory system, eyes, skin, gastrointestinal tract.

Routes of Exposure: Inhalation, dermal and eye contact, ingestion.

Toxic Hazard Rating:	Acute Local	Acute Systemic	Chronic Local	Irritant	Allergen 1
None					1

Key: 1 - Slight

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Eyes: May be irritating to eyes, causing readily reversible changes such as redness and tearing, this disappears after end of exposure.

Skin: No symptoms known, as product is considered non-toxic.

Ingestion: Even though the product is not intended for human consumption, it is considered to be non-toxic.

Inhalation: No symptoms known as product is considered to be non-toxic if inhaled. Although inhalation of dust from this product may not be considered toxic, it is certainly a hazard if there is inhalation of too many particles. Individuals should be removed from exposure to too high a concentration of even relatively non-toxic substances.

Chronic Effects: None known.

SECTION 4. FIRST AID MEASURES

Ensure physician has access to this MSDS.

Eyes: Remove contacts if applicable. Immediately flush eyes with large amounts of water for 15 minutes, lifting lower and upper lids while rotating eyes during wash. Ensure no particles remain in creases of eyelids. If so, continue to wash. Get medical attention if irritation persists.

Skin: Wash area of skin contact thoroughly with soap and water. Remove and wash contaminated clothing. If irritation persists after washing affected area, get medical attention promptly. Wash clothing before re-use.

Inhalation: If inhaled, immediately remove victim to fresh air and call emergency medical care. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If large amounts are swallowed and person is conscious, induce vomiting. Never induce vomiting for an unconscious person. Get medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flashpoint (OC): >400° F

Dust Auto Ignition Temp: >600° F

Smoke point: >200° F **Fire Point:** >500° F

Sensitive to Mechanical Impact? No

Extinguishing Media: Foam, carbon dioxide, or dry chemical

Special Procedures: Water or foam may cause frothing. Once ignited, this product may be difficult to extinguish. Carbon monoxide (toxic) and calcium oxide dust (caustic irritant) may be generated, making necessary the use of self-contained breathing apparatus (SCBA) and full protective equipment (bunker gear).

Relative Explosion Hazard: ST-1 Class, NFPA68-1978

SECTION 6. ACCIDENTAL RELEASE MEASURES

Ventilate enclosed areas and use appropriate personal protective equipment. Scoop or vacuum spilled material in a manner to avoid the generation of dust. Reclaim product for re-use, if possible, or collect in DOT-approved containers for disposal in an appropriate manner.

SECTION 7. HANDLING AND STORAGE

Keep containers tightly closed. Store in a cool, dry, well-ventilated location, away from strong acids, bases, oxidizers and potential fire hazards.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection

Dust mask required if total dust level exceeds 10 mg/m³

EMERGENCY or entry into UNKNOWN concentrations: Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode; or any supplied air respirator with a full face piece operated in a pressure demand or other positive pressure mode in combination with auxiliary self-contained breathing apparatus operated in a pressure demand or other positive pressure mode.

Escape: Any air purifying full-face piece respirator (gas mask) with a high efficiency particulate filter or any appropriate escape-type self-contained breathing apparatus

Skin Protection

Gloves and aprons as needed to prevent skin contact. If large quantities are handled loosely to generate spillage and dust, use body coverings and boots. A safety shower and eyewash should be available.

Eye Protection

Safety goggles to prevent particles from entering eyes. Contact lenses should not be worn when working with this product unless covered with goggles.

Engineering Controls

Use general/local exhaust ventilation to keep dust concentrations low, eliminate ignition sources where dust is present.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tan granular material

Physical State: Solid

Odor: Musty, fatty odor **Melting Point:** Not applicable (decomposes @ 150° C)

Bulk Density: 31 Lbs./ft.³

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Incompatible materials and excessive heat.

Incompatibility: Strong acids, bases and oxidizers.

Hazardous Decomposition Products: Smoke and irritating fumes. Carbon monoxide and calcium oxide may evolve from combustion.

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Irritation Data: No data available
Toxicity Data: No data available

Mutagenicity Data: No data available
Classification of Carcinogenicity: Not considered carcinogenic by NTP, IARC, or OSHA

SECTION 12. DISPOSAL CONSIDERATIONS

This product is not regulated as a hazardous waste under RCRA. DO NOT discharge to sewer. Bury in a secure landfill in accordance with all local, state and federal environmental regulations. Empty bags may be incinerated or discarded as general trash.

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SECTION 13. TRANSPORT INFORMATION

Proper Shipping Name: None regulated

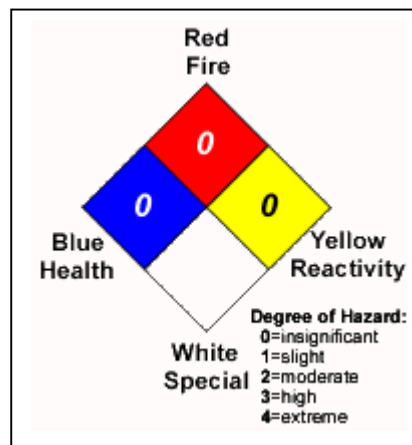
Hazard Class: None

Technical Shipping Name: Prequel™

ID No.: None

Packaging Group: None

D.O.T. Label/Placard: None required



SECTION 14. REGULATORY INFORMATION

United States

EPA TSCA Inventory List: Not Listed

Water Standards: Not regulated

Atmospheric Standards: Not regulated

Soil Standards: Not regulated

CERCLA: Not regulated **SARA Title III:** This product is not regulated under Section 302, 311, 312 or 313 of SARA

Other Regulations

California - Exposure Limits - PELs:	None listed
Ceiling:	None listed
Notations:	None listed
Direct. List of Haz. Substances	None listed
Florida - Hazardous Substances	None listed
Massachusetts - Right-to-Know	None listed
Minnesota - Haz. Subs. List:	None listed
New Jersey - Right-to-Know List: (Total):	None listed
Pennsylvania - Right-to-Know List:	None listed
Michigan - Critical Materials List:	None listed
Canada - WHMIS: Ingredient Disclosure List:	None listed
Risk Phrases:	None required

SECTION 15. OTHER INFORMATION

Virtus Nutrition LLC makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Virtus Nutrition LLC as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Virtus Nutrition LLC assume liability arising out of the use by others of this product referred to herein. The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process.

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