

Material Safety Data Sheet

Calcium Citrate

CALCIUM CITRATE USP/ FCC (K)

UpCal D

1. CHEMICAL PRODUCT IDENTIFICATION

Product Name: CALCIUM CITRATE USP/ FCC (K)

Formula: $(C_6H_5O_7)_2Ca \cdot 3H_2O$

General or Generic ID: SALTS

I-670871 C-6H-88

I-725886 C-6H-85

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
CALCIUM CITRATE	813-94-5	>98.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

This material is a dust or may produce dust. Inhalation may be harmful.

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) and irritation (nose, throat, airways).

Target Organ Effects

No data

Developmental Information

No data

Cancer Information

No data

Other Health Effects

No data

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If

symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

No data

5. FIRE FIGHTING MEASURES

Flash Point

Not applicable

Explosive Limit

Not applicable

Autoignition Temperature

No data

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards

No special fire hazards are known to be associated with this product.

Extinguishing Media

Water fog, carbon dioxide and dry chemical.

Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating

Not determined

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Sweep up material for disposal or recovery.

Large Spill

Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

Store in a cool, dry place at 75 degrees F or lower. Keep the container air-tight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses.

Skin Protection

Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections

If overexposure has been determined or documented, a NIOSH/MSHA approved dust/mist and fume respirator is advised in the absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

Exposure Guidelines

Component

CALCIUM CITRATE

No exposure limits established

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

Not applicable

Vapor Pressure

Not applicable

Specific Vapor Density

Not applicable

Specific Gravity

No data

Liquid Density

Not applicable

Percent Volatiles

No data

Evaporation Rate

Not applicable

Appearance

White fine crystalline powder

State

Solid

Physical Form

Crystalline powder

Color

White

Odor

No data

pH

Not applicable

Solubility In Water

Very slightly soluble in water

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability

Stable under ordinary conditions of use and storage.

Incompatibility

No data

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: LIQUID PROTEIN with L-ARGININE - *LiquaCel*
COMPANY IDENTIFICATION

SECTION 1 - IDENTITY

COMMON NAME: LIQUID PROTEIN with L-ARGININE **CHEMICAL NAME:** LIQUID PROTEIN with ARGinine

SECTION 2 - PHYSICAL & CHEMICAL PROPERTIES

COLOR Clear amber sticky liquid	ODOR Characteristic grape flavor
TASTE Sweet characteristic protein	SPECIFIC GRAVITY @ 25° C N/A
SOLUBILITY IN WATER Water washable	pH @ 25°C 4.5 - 5.5
ACTIVE INGREDIENTS:	Protein - 45.014 g/100g

SECTION 3 - FLASH POINT & EXPLOSION DATE

FLASH POINT N/A	FLAMMABLE LIMITS IN AIR (% BY VOLUME): N/A	LOWER N/A	UPPER N/A	EXTINGUISHER MEDIUM: CO2, WATER, FOAM	AUTO-IGNITION TEMPERATURE: N/A
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SPECIAL FIREFIGHTING PROCEDURE:

In case of fire, wear self contained breathing apparatus

UNUSUAL FIRE AND EXPLOSION HAZARDS:

No particular risk, however as for most organic products, liquid may form toxic or unctuous odor.

SECTION 3 - PHYSICAL HAZARDS

STABILITY: UNSTABLE STABLE x	CONDITIONS TO AVOID: normally stable
INCOMPATIBILITY: N/A	
HAZARDOUS DECOMPOSITION PRODUCTS: N/A	
HAZARDOUS POLYMERIZATION: MAY OCCUR □ N/A WILL NOT OCCUR □ N/A	CONDITIONS TO AVOID: normally stable

SECTION 5 - HEALTH HAZARDS**THRESHOLD LIMIT VALUE** N/A**EFFECTS OF OVEREXPOSURE**

SKIN: The usage level of this product is at a minimum. Follow direction when using.

However, do not use if you are allergic to any of the ingredients.

EYES: May cause eye irritation. Use only, as directed

INHALATION: If allergic to protein odor, do not use. In case of accidental inhalation, seek professional advise or doctor immediately. Use only as directed.

INGESTION: Use only as directed. In case of accidental overdose contact the Poison Control Center Immediately.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Allergy to the ingredients.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIALLY CARCINOGENIC: ingredients used are generally recognized as safe.

SECTION 6 - PRECAUTIONS FOR SAFE HANDLING AND USE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store at room temperature. No special handling and Storage Use gloves and eye protection.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike large spills and Scavenge material. May be slippery. Remove spills by putting sand and scoop into salvage drums/container. Wash with water immediately. Small spills should be scooped into salvage drums or wipe with newspaper and discard newspaper into trash bin. wash with water

WASTE DISPOSAL METHOD: Dispose off all materials in accordance with all applicable federal, state, and local health and environmental regulations. Ensure that all responsible federal, state and local agencies receive proper notification of spill and disposal methods, if applicable.

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MSDS - 30 SPF Sensitive Skin Sunblock

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with water for at least 15 minutes while holding eyelids open then get medical attention if condition worsens.

SKIN: Wash with water immediately. If condition worsens, seek the advice of a doctor immediately.

INHALATION: Seek immediate medical assistance.

INGESTION: In case of accidental ingestion, contact the Poison control Center immediately for assistance.

SECTION 8 - INGREDIENT LISTING:

See container label.

MISCELLANEOUS REQUIREMENTS:

WARNING: Follow label claim.

DISCLAIMER: The submission of this Material Safety Data Sheet may be required by law, but this is not an assertion that the substance is hazardous when used in accordance to the label claim. Data supplied is for use only in connection with occupational safety and health.

The container is labeled properly with directions, use and ingredient listing. Use this product accordingly. It is beyond the DISTRIBUTOR's control if this product is used maliciously.

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