



Safety Data Sheet

Chemurgic's Calcium 6 Ligno +

1. Identification

1.1 Product identifier

Product Identity Chemurgic's Calcium 6 Ligno +

Alternate Names None

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intended use Complexed Micronutrient - Calcium

Application Method See Technical Data Sheet.

1.3 Details of the supplier of the safety data sheet

Company Name Chemurgic Agricultural Chemicals, Inc.
P.O. Box 2106
Turlock, CA 95381

EMERGENCY PHONE NUMBERS:

Company Phone Number DAYS: (209) 634-2951
EVES: (209) 652-7260

24-Hour Emergency

Telephone Number INFOTRAC: 1-800-535-5053
EPA National Response Center: (800) 424-8802

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Eye Irritation	Category 2B; H320
Skin Irritation	Category 3; H316
Acute Toxicity (Oral)	Category 5: H303
Acute Toxicity (Inhalation)	Category 5: H333

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Signal Word: Warning (no symbol)

HAZARD STATEMENTS:

H320: Causes eye irritation.

H316: Causes mild skin irritation.

H303: May be harmful if swallowed.

H333: May be harmful if inhaled.

[Prevention]:

P264: Wash hands, face, and other affected areas thoroughly after handling.

[Response]:

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice / attention.

P332+313: If skin irritation occurs: Get medical advice / attention.

P304+312: IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

Safety Data Sheet

Chemurgic's Calcium 6 Ligno +

[Storage]:	No GHS storage statements
[Disposal]:	No GHS disposal statements
[Sensitization]:	Not a skin sensitizer.
[Comments Health]:	Read all precautions of product being handled and follow the most restrictive language for all products to provide the safest work environment.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Component	CAS Number	Weight %
Blend of plant nutrients derived from calcium nitrate. GUARANTEED ANALYSIS: Total Nitrogen (N): 5.00% Calcium (Ca): 6.00% The complexing agent is lignin sulfonate.	10124-37-5	30-40

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. If skin irritation occurs, get medical advice/attention.
Ingestion	If conscious and alert, drink water or milk to dilute, then induce vomiting. Call a physician or Poison Control Center immediately.

4.2. Most important symptoms and effects, both acute and delayed

Overview	Eyes: Causes moderate but temporary eye irritation which may include redness and itching. Skin: Mild irritant, especially from prolonged exposure. May cause redness. Ingestion: May cause stomach cramps and/or nausea. Inhalation: May cause mild irritation of nasal mucous membranes.
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5. Fire-fighting measures

5.1. Extinguishing media

Non-combustible liquid. Use extinguishing media suitable for underlying cause of fire.

5.2. Special hazards arising from the substance or mixture

Not an oxidizer. However, under fire conditions, this product may behave as an oxidizer. In contact with oxidizable substances, ignition, violent combustion or explosion could occur.

Safety Data Sheet

Chemurgic's Calcium 6 Ligno +

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep fire-exposed containers cool.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep unprotected and unnecessary personnel out of spill area. Wear splash-proof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection is not normally needed. Eyewash should be available in work area. Contain spilled product to prevent spreading.

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.
Prevent product spillage from entering drinking water supplies, lakes, streams or ponds.

6.3. Methods and material for containment and cleaning up

Cover spilled product with inert absorbent, such as clay or sand. Collect and place in suitable containers for proper disposal.

7. Handling and storage

7.1. Precautions for safe handling

Keep locked up and out of reach of children. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

No PEL or TLV established for this product.

8.2. Exposure controls

Respiratory

Respiratory protection not normally needed.

Eyes

Splash-proof goggles or face shield. Eyewash should be available in work area.

Skin

Impervious gloves, impervious apron and footwear.

Engineering Controls

Local exhaust sufficient.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

Safety Data Sheet

Chemurgic's Calcium 6 Ligno +

9. Physical and chemical properties

Appearance	Dark brown liquid
Odor	Lignin
Odor threshold	Not available
pH	6.0 to 8.0
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	>100° C (212° F) estimated
Flash point	Not flammable
Evaporation rate (Butyl Acetate = 1)	Not established
Flammability (solid, gas)	Noncombustible
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not applicable Upper Explosive Limit: Not applicable
Vapor pressure (Pa)	Not established
Vapor density	Not established
Relative density	Not available
Specific gravity	1.19 – 1.25 g/mL @ 25° C
Solubility in water	Soluble
Partition coefficient n-octanol/water (Log Kow)	No information found
Auto-ignition temperature	Not applicable
Decomposition temperature	No information found
Viscosity (cSt)	Not available

9.2 Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity	No information found.
10.2. Chemical stability	Stable under normal circumstances.
10.3. Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4. Conditions to avoid	Do not mix with acids or silver compounds.
10.5. Incompatible materials	Product may react vigorously with acidic materials.
10.6. Hazardous decomposition products	Ammonia gas and sulfur oxides under fire conditions.

11. Toxicological information

Acute toxicity (Oral LD50): No LD50 available. Ingestion may irritate or burn throat and cause nausea or vomiting.

Acute Toxicity (Dermal LD50): No hazard expected.

Acute Toxicity Inhalation LC50: No LC50 established. Inhalation of mist may irritate or burn nose, throat and lungs.

Likely Routes of Exposure: Skin and eyes.

Skin Irritation: Mild skin irritation.

Eye Irritation: Eye irritant.

Skin Sensitization: Not a sensitizer.

Carcinogenic: The IARC has not classified calcium nitrate for its carcinogenic potential.

Chronic Effects: None currently known.



Safety Data Sheet Chemurgic's Calcium 6 Ligno +

Other Hazards: None currently known.

12. Ecological information

12.1. Toxicity:	No data available.
12.2. Persistence and degradability:	No data available.
12.3. Bioaccumulative potential:	No data available.
12.4. Mobility in soil:	No data available.
12.5. Other adverse effects:	No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

14.1 UN Number:	None
14.2 UN Proper Shipping Name:	Not regulated by DOT, IATA, or IMDG
14.3 Transport Hazard Class:	None
14.4 Packing Group:	None
14.5 Environmental hazards:	No information found
14.6 Special Precautions for Transport:	No information found
14.7 Transport in Bulk:	No information found
Freight Classification:	Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

15. Regulatory information

National Fire Protection Association Rating:

Health: 1 Fire: 0 Reactivity: 0
Rating Level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

S.A.R.A. Title III Hazard Classification (Yes/No)

Intermediate (Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our



Safety Data Sheet Chemurgic's Calcium 6 Ligno +

products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

While the information contained herein is based on data considered accurate and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act, it is provided for guidance only. Chemurgic Agricultural Chemicals, Inc. does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations; in so doing, user assumes all risk in use of the material. The information contained herein is not to be taken as a warranty or representation for which Chemurgic Agricultural Chemicals, Inc. assumes legal responsibility.

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