

## 1. IDENTIFICATION

**Product Name** Calcium Nitrate 15.5-0-0, 18.5 Beads  
**Recommended use**  
**Supplier** Valudor Products, LLC  
 179 Calle Magdalena Suite 100  
 Encinitas CA 92024  
 (760)-635-8500  
**Emergency Telephone** 800-535-5053 (Infotrac)

## 2. HAZARD IDENTIFICATION

### Classification

This product is considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Acute toxicity, oral	Category 4
Serious eye damage/eye irritation	Category 1
Oxidizing Solid	Category 3

### Label Elements

#### GHS Pictograms



#### Signal Word Hazard Statements

**Danger**  
 Harmful if swallowed  
 Causes serious eye damage  
 May intensify fire; oxidizer

#### Precautionary Statements – Prevention

Wash thoroughly after handling  
 Wear gloves/eye protection/face protection  
 Do not eat, drink or smoke when using this product  
 Keep away from heat  
 Keep/Store away from combustible materials

#### Response

Take any precaution to avoid mixing with combustibles  
 If swallowed: Call a poison center/doctor if you feel unwell  
 Rinse mouth  
 If in eyes: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing

#### Disposal

Immediately call a poison center or doctor/physician  
 In case of fire use any means suitable for extinguishing surrounding fire  
 Dispose of contents/container in accordance with government regulations

Hazards not other classified      None

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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**Mixture**

Chemical name	CAS-No	Weight-%
Calcium Nitrate	10124-37-7	80-85
Calcium nitrate tetrahydrate	13477-34-4	5-10
Water	7732-18-5	10-15

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### 4. FIRST-AID MEASURES

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**First Aid Measures**

<b>Eye Contact</b>	Immediately rinse with plenty of water. Remove contact lenses, if present and easy to do so. Keep eye wide open while rinsing. Continue rinsing for 15 minutes. Immediately call a poison center or doctor/ physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Remove all contaminated clothes and shoes. If skin irritation persists, call a doctor/physician
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician

**Most important symptoms/effects, acute and delayed**

Symptoms                      No information available

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### 5. FIRE-FIGHTING MEASURES

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**Suitable extinguishing Media**      Use flooding quantities of water for extinction

Unsuitable Extinguishing Media      Do not attempt to smother fire with steam or sand

**Specific Hazards Arising from the chemical**

Fire Hazard	May intensify fire; oxidizer
Hazardous combustion products	Thermal decomposition can lead to the release of irritation or toxic gases and vapors; including and not limited to:

**Protective equipment and precautions for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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### 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment, and emergency procedures**

**Personal precautions** Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation.

**Methods and materials for containment and cleanup**

**Methods for clean-up** Sweep or vacuum up and place in an appropriate closed container. Keep unauthorized personnel away. Avoid generating dust.

**Environmental Precautions** Prevent entry into waterways or sewers

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**7. HANDLING AND STORAGE**

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**Precautions for safe handling**

Keep away from hot surfaces, sparks, open flames and other sources of ignition. No smoking. Handle in a well-ventilated environment. Do not breathe vapors / spray / mist / fume. Avoid contact with skin, eyes or clothing. Wear personal protective equipment in section 8. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Clean equipment and work area regularly.

**Conditions for safe storage, including any incompatibilities**

Store in a cool/low-temperature, well-ventilated, dry place. Keep containers closed and labeled when not in use.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the work place when designing controls and selecting personal protective equipment.

**Personal Protective Equipment**

**Eye/face protection** Chemical safety goggles. If Splashes are likely to occur wear face shield

**Skin protection** Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposure to skin. Wear protective gloves

**Respiratory protection** Not required under normal circumstances. If exposure limits are exceeded or if irritation or other symptoms are experienced use a NIOSH/MSHA approved respirator

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product.

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**9. PHYSICAL and CHEMICAL PROPERTIES**

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**Appearance** White granules

<b>Physical state</b>	Solid
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available
<b>pH</b>	Not applicable
<b>Melting point / freezing point</b>	100-104 C / 212-219 F
<b>Boiling point / Boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	No information available
<b>Flammability or explosive limits</b>	
<b>Upper</b>	No information available
<b>Lower</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Bulk Density</b>	1000-1200 Kg/m <sup>3</sup>
<b>Solubility in water</b>	Soluble in water
<b>Partition coefficient</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available

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## 10. STABILITY AND REACTIVITY

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<b>Reactivity</b>	None known under normal conditions. May intensify fire; oxidizer.
<b>Chemical stability</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of hazardous reactions</b>	None under normal processing. May intensify fire; oxidizer.
<b>Conditions to avoid</b>	Avoid dust formation. Heat, flame, sparks.
<b>Incompatible materials</b>	Flammable or Combustible material
<b>Hazardous decomposition products</b>	Hazardous combustion can lead to the release of irritating gases and vapors.

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## 11. TOXICOLOGICAL INFORMATION

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### Information on likely routes of exposure

<b>Skin contact</b>	May cause skin irritation
<b>Eye contact</b>	Causes serious eye damage
<b>Inhalation</b>	May cause irritation of respiratory tract
<b>Ingestion</b>	Harmful if swallowed

### Symptoms related to the physical chemical and toxicological characteristics

No information available

### Delayed and immediate effects and also chronic effects form short and long-term exposure

<b>Skin damage/irritation</b>	Not classified
<b>Eye damage/irritation</b>	Causes serious eye damage
<b>Sensitization</b>	Not classified
<b>Mutagenic effects</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT – single exposure</b>	Not classified
<b>STOT – repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified

**Acute Toxicity**

**Component information**

Component	Cas-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Nitrate	10124-37-5	1530 mg/kg	> 2,000	-

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Should not be released to environment

Component	Freshwater Fish	Freshwater Algae	Water Flea
Calcium Nitrate 10124-37-5	LC50 > 100 mg/L	EC 50 > 100 mg/L	LC 50 > 100 mg/L

**Persistence and degradability** No information available

**Bioaccumulative potential** No information available

**Mobility in soil** No information available

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** Processing, use or contamination of this product may occur during product use. Accordingly, it is the responsibility of the user to determine the proper disposal methodologies. Consult the appropriate state, regional or local regulations to ensure complete and accurate classification. Dispose of contaminated packaging in accordance with local regulations.

**14. TRANSPORT INFORMATION**

<b>DOT</b>	Regulated
<b>UN-No</b>	1479
<b>Proper Shipping Name</b>	Oxidizing solid, n.o.s. (Calcium Nitrate)
<b>Hazard Class</b>	5.1
<b>Packing Group</b>	III

<b>IATA</b>	Regulated
<b>UN-No</b>	1479
<b>Proper Shipping Name</b>	Oxidizing solid, n.o.s. (Calcium Nitrate)
<b>Hazard Class</b>	5.1
<b>Packing Group</b>	III
<b>IMDG</b>	Regulated
<b>UN-No</b>	1479
<b>Proper Shipping Name</b>	Oxidizing solid, n.o.s. (Calcium Nitrate)
<b>Hazard Class</b>	5.1
<b>Packing Group</b>	III

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**15. REGULATORY INFORMATION**

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**International Inventories**

<b>TSCA</b>	Listed
<b>DSL</b>	Listed

**US Federal Regulations**

**TSCA section 12(b) Export Notification**

Not regulated

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

Not applicable

**SARA 311/312 Hazard Categorization**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Pressure	No
Reactivity	Yes

**CERCLA/SARA 302 & 304**

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). Not applicable

**CWA (Clean Water Act)**

Not applicable

**US State Regulations**

**California Proposition 65**

This product does not contain any proposition 65 chemicals

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**16. OTHER INFORMATION**

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**NFPA Ratings**                      Health: 2                      Flammability: 0                      Reactivity: 0

**NFPA specific hazard:** OX – Materials that possess oxidizing properties

**Product Name:** Calcium Nitrate 15.5-0-0, 18.5 Beads

**Date of Issue:** 05/16/2021

Creation Date: 05/16/2021

Revision Date:

Revision Number: 1.0

Revision Information Creation

**Disclaimer**

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