

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS-No	Weight-%
Calcium Nitrate	15245-12-2	80-85
Calcium nitrate tetrahydrate	13477-34-4	5-10
Water	7732-18-5	10-15

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	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.
Skin Contact	Wash off immediately with plenty of water. Remove all contaminated clothes and shoes. If skin irritation persists, call a doctor/physician
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
Ingestion	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

5. FIRE-FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance White granules

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact	May cause skin irritation
Eye contact	Causes serious eye damage
Inhalation	May cause irritation of respiratory tract
Ingestion	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

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

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

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

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	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

16. OTHER INFORMATION

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

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Revision Date:

Revision Number: 1.0

Revision Information Creation

Disclaimer

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