



Active Cal

SAFETY DATA SHEET

SECTION 1: Identification

1.1 GHS Product identifier

Product name Active Cal

1.3 Recommended use of the chemical and restrictions on use

Calcium Nitrogen Liquid Fertilizer

1.4 Manufacturer

Name UAS of America
Address 534 CR 529A
Lake Panasoffkee FL 33538
USA
Telephone (352) 793-1682

1.5 Emergency phone number

1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Component	Concentration
Ammonium Nitrate (CAS no.: 6484-52-2; EC no.: 229-347-8)	Not specified*
Calcium Nitrate (CAS no.: 10124-37-5; EC no.: 233-332-1)	Not specified*
Calcium Glucoheptonate (CAS no.: 17140-60-2)	Not specified*

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).



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SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a poison center/doctor/physician if you feel unwell.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Obtain medical attention if breathing difficulty persists.
In case of skin contact	Remove contaminated clothing. Rinse with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Obtain medical attention if pain or redness persists.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain medical attention. Call a poison center/doctor/physician if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries after inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries after skin contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries after eye contact: May cause slight irritation to eyes.

Symptoms/Injuries after ingestion: Ingestion may cause adverse effects.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If exposed or concerned, get medical advice and attention.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Not considered flammable.

Product is not explosive.

Hazardous reactions will not occur under normal conditions.

5.3 Special protective actions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Use personal appropriate protective equipment.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and materials for containment and cleaning up

Clean up spills immediately dispose of waste safely. Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal. Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Always wash hands after handling the product. Wash contaminated clothing before reuse.
Keep away from children and pets. Do not contaminate any water source.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well ventilated place away direct sunlight, extremely high or low temperatures and incompatible materials. Store in temperatures 40°F-78°F. Keep container closed when not in use. Store in a well-ventilated place. Keep cool.

Incompatible products: Avoid contact with readily oxidizable materials, Strong bases. Strong acids, and Chlorates. Contact with alkaline materials with produce ammonia. Avoid using containers, pipes and fitting made of aluminum, mild steel, zinc-clad, or copper bearing alloys.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear protective gloves and suitable protective clothing.



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Body protection

Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing

Respiratory protection

Wear appropriate mask

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Brown Liquid
Odor	Slight Ammonia Odor
Odor threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Explosive properties	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Oxidizing properties	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	Miscible in Water
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	No data available
Evaporation rate	No data available
Density and/or relative density	1.50
Relative vapor density	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Avoid interaction with heat (flames), oxidizers, acids or alkalis.

10.2 Chemical stability

The product is stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

Do not allow product to evaporate to dryness. Keep away from heat. Avoid heating within a confined space. Avoid incompatibilities, contamination and combustible materials.

10.4 Conditions to avoid

Extremely high temperatures or low temperatures. Direct sunlight. Incompatible materials.



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10.5 Incompatible materials

Avoid contact with readily oxidizable materials, Strong bases. Strong acids, and Chlorates. Contact with alkaline materials will produce ammonia. Avoid using containers, pipes and fitting made of aluminum, mild steel, zinc-clad, or copper bearing alloys.

10.6 Hazardous decomposition products

If product evaporates, residual solid (ammonium nitrate) can be explosive. In a fire, carbon oxide, nitrogen oxides and ammonia may be present.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Harmful if swallowed

Skin: May cause skin irritation.

Eyes: Causes eye irritation.

Inhalation: Causes respiratory tract irritation.

Ingestion: May cause gastrointestinal tract irritation with diarrhea.

May affect behavior/central nervous system (somnolence, convulsions, ataxia). respiration (emphysema), Kidneys (acute renal failure, acute tubular necrosis), blood

(hemorrhage). The toxicological properties of this substance have not been fully investigated.

Skin corrosion/irritation

Not classified

Serious eye damage/irritation

Not classified

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity (STOT) - single exposure

Not classified

Specific target organ toxicity (STOT) - repeated exposure

Not classified

Aspiration hazard

Not classified



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SECTION 12: Ecological information

Toxicity

This product is not considered harmful to aquatic organisms or cause long-term adverse effects in the environment. High concentrations may cause excessive algae growth in water.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of contents/container in accordance with local, state, federal, and international environmental laws and regulations.

Packaging disposal

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local, regional, national and/or international regulations.

Waste treatment

Avoid unintentional release to the environment

SECTION 14: Transport information

DOT (US)

Not regulated as a dangerous good

IMDG

Not regulated as a dangerous good

IATA

Not regulated as a dangerous good



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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory

Ammonium nitrate salt (Nitric Acid Ammonium Salt (1:1)) is listed on the Active TSCA inventory.

SARA 302 Components

No products were found.

SARA 311/312 Hazards

No SARA hazards.

SARA 313 Components

Yes listed.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act.

California Prop. 65 Components

This product does not contain any chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: Other information

Date of Revision: January 3, 2023

Prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall UAS of America, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if UAS of America has been advised of the possibility of such damages.