

Safety Data Sheet

SizeN® Calcium 15-0-0 + 7% Ca + 0.2% B

1. Identification

1.1 Product identifier

Product form: Liquid Fertilizer Blend

Product Identity: SizeN® Calcium 15-0-0 + 7% Ca + 0.2% B

Alternate Names:

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

Use as a fertilizer concentrate

Application Method

Irrigation injections and/or foliar applications

1.3 Details of the supplier of the safety data sheet

Company Name: Omex Agrifluids, Inc.

Company Address: 1675 Dockery Ave. Selma, CA 93662

EMERGENCY PHONE NUMBERS

Company Phone Number: 559-661-6138

24-Hour Emergency

Telephone Number: CHEMTREC (24-hrs)

1-800-424-9300 / 1-703-527-3887

CCN: 816681

2. Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

2.2. Label elements

GHS-US labeling

Hazard pictogram



Signal Word: Warning

HAZARD STATEMENTS: Harmful if swallowed. Causes serious eye irritation. Wash hand thoroughly after handling of this product. Wear eye protection. If swallowed, call a poison control center or doctor/physician if you do not feel well. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present. Get medical advice/attention.

Prevention:

Wash hands thoroughly after handling. Wear eye and face protection. Wear protective gloves.

Response:

If in 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. If on skin: Wash with plenty of water. For specific treatment refer to product label. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage:

None specified.

Disposal:

None specified.

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2.4 Unknown acute toxicity (GHS-US)

3. Composition/information on ingredients

Mixture	CAS Number	%	GHS-US Classification
Water	7732-18-5	40-50%	
Calcium Nitrate Dihydrate	13477-34-4	10-40%	
Boric Acid	10043-35-3	1-2%	

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	Move person to fresh air, rest and seek medical advice
Eyes	Wash affected eyes for at least 15 minutes under running water with eyelids help open. Remove contact lenses is possible. Seek medical advice.
Skin	Wash affected skin with plenty of soap and water. Wash clothes before reusing.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth and throat. Do not induce vomiting. Drink 1-2 glasses of water. Consult a physician.

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

If inhaled: Inhalation of mist or vapors may cause irritation and burning sensation to mucous membranes and upper respiratory tract. Symptoms may include irritation, coughing and tightness of breath.

If on skin or hair: Where not washed exposure may result in redness and irritation. Irritation may occur to skin especially when already sore or dry according to contact time.

If in eyes: Exposure to eyes will result in immediate pain and tearing. Burns to the eye may occur if not washed properly.

If swallowed: Ingestion may cause abdominal pain, vomiting and diarrhea within six hours of ingestion. Large doses of calcium nitrate can cause renal stones, hypercalcemia and methemoglobinemia.

4.3 Indication of any immediate medical attention and special treatment needed: Hypercalcemia can be treated with saline hydration; the salt content of this product should be considered when deciding a treatment regime. Activated carbon may be administered when treating after ingestion of methemoglobinemia cause substances.

5. Fire-fighting measures

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- 5.1. Extinguishing media: All extinguishing methods permitted
- 5.2. Special hazards arising from the substance or mixture: Oxides of calcium, carbon and nitrogen
- 5.3. Advice for fire-fighters: Wear self-containing breathing apparatus

6. Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures: For non-emergency personnel PPE, view section 8.2. Avoid contact with strong acids, bases and other reducing agents.
- 6.2. Environmental precautions: Drains, water courses, soil and open ground. Discharge to ground, water courses or drains can cause eutrophication.
- 6.3. Methods and material for containment and cleaning up: Contain a spill by mopping up and contain with absorbant materials. Mop up spills and recycle.
- 6.4 Reference to other sections: See section 8.2 for personal protective equipment. See Section 13.1 for disposal considerations.

7. Handling and storage

- 7.1. Precautions for safe handling: Wash hands and exposed skin before meals and after use. Wear gloves when handling the product over long periods of time. Do not use with strong acids, bases or reducing agents. Do not discharge into drains or water courses. Wash hands after using this product and before eating, drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- 7.2. Conditions for safe storage, including any incompatibilities: Incompatible with acids, bases or reducing agents.
- 7.3. Specific end use(s): Use as a fertilizer concentrate for all crops by foliar, furrow or drip irrigation.

8. Exposure controls and personal protection

- 8.1. Control parameters: Not applicable

8.2. Exposure controls	
Respiratory	Not required
Eyes	Use safety glasses tested and approved under appropriate government standards
Skin	Do not wear open footwear
Engineering Controls	Handle in accordance with good industrial hygiene
Other Work Practices	None

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9. Physical and chemical properties

Physical state	
Color	Dark Brown Liquid
Odor	Slightly sweet and metallic
Odor threshold	Not data available
pH	6-7
Melting point	No data available
Freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
Vapor pressure	No data available
Vapor density	No data available
Relative density	10.6 lbs/gallon
Specific gravity	1.27 g/cubic centimeter
Solubility in water	
Partition coefficient n-octanol/water (Log Pow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	<100 cPS at 20 degrees Centigrade

9.2 Other information

10. Stability and reactivity

- 10.1. Reactivity: Can react with strong acids, bases and reducing agents
- 10.2. Chemical stability: Product is stable under anticipated storage and handling
- 10.3. Possibility of hazardous reactions: Substance not known to react or polymerize
- 10.4. Conditions to avoid: Excessive heat (to water boiling point) and mixing with alkalis
- 10.5. Incompatible materials: Reducing and alkaline materials
- 10.6. Hazardous decomposition products: No known hazardous decomposition product known

11. Toxicological information

- Acute toxicity: Oral (rat)- LD50; 2,780 mg/kg of body weight
- Skin corrosion/irritation: Anticipated to be irritating to the skin
- Serious eye damage/irritation: Classified as irritating to the eyes
- Respiratory or skin sensitization: Data not available
- Germ cell mutagenicity: Data not available
- Carcinogenicity: Data not available
- Reproductive toxicity: Data not available

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Specific target organ toxicity (single and repeated exposure): Data not available

Aspiration hazard: Data not available

Potential adverse human health effects and symptoms:

Symptoms/injuries after ingestion: May cause abdominal pain, vomiting and diarrhea within six hours of ingestion

12. Ecological information

12.1. Toxicity: No specific data available from tests performed on this product. The mixture is not classified as an environmental hazard.

12.2. Persistence and degradability: Data not available

12.3. Bioaccumulative potential: Data not available

12.4. Mobility in soil: Data not available

12.5. Other adverse effects: Data not available

13. Disposal considerations

13.1. Waste treatment methods: This material, if discarded as produced, is not classified as hazardous waste. Waste treatment containers to be used for product include IBCs or drums. Recycle material where possible. If heavily soiled or disposal judged as necessary, dispose to landfill in accordance with local directives. No specific wastewater treatment containers to be used for contaminated packaging, packaging should be recycled where possible. Waste treatment method for contaminated packaging should include a rinse with water. Dilute washings should be recycled where possible.

14. Transport information

Ground transport (US DOT): Not dangerous goods

Transport by sea (IMDG): N/A

Air transport (IATA): N/A

15. Regulatory information

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA):

CERCLA Hazardous Substance List:

SARA 304 Emergency release notification:

OSHA Specifically Regulated Substances:

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories:

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Immediate Hazard:

Delayed Hazard:

Fire Hazard:

Pressure Hazard:

Reactivity Hazard:

SARA 302 Extremely hazardous substance:

SARA 311/312 Hazardous chemical:

SARA 313 (TRI reporting)

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

US. California Proposition 65

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

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 products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders. The information contained herein is not to be taken as a warranty or representation for which [company name] assumes legal responsibility.

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