

Safety Data Sheet CalOx FT

SECTION 1: Identification

1.1 GHS Product identifier

Product name CalOx FT

1.2 Recommended use

Liquid Fertilizer

1.3 Supplier's details

Name BioSafe Systems
Address 22 Meadow Street
East Hartford CT 06108 USA
Telephone 1.888.273.3088

1.4 Emergency phone number

CHEMTREC: 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, 2024)

- Eye damage/irritation, Cat. 1
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, oral, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H318 Causes serious eye damage
H312 Harmful in contact with skin
H302 Harmful if swallowed
H332 Harmful if inhaled
H315 Causes skin irritation
H335 May cause respiratory irritation

Precautionary statement(s)

P101 If medical advice is needed, have label at hand.
P102 Keep out of reach of children
P103 Read label before use.

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P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352	If on skin: Wash with plenty of water and call a poison center/doctor if you feel unwell.
P321	Specific treatment see first aid section on this label.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents according to local, state and federal regulations.
P262	Do not get in eyes, on skin or on clothing
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	If swallowed: Call a poison center/doctor if you feel unwell.
P261	Avoid breathing fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Component	Concentration
Calcium Ammonium Nitrate (CAS no.: 15245-12-2)	50 - 70 % (weight)
Alcohols, C11-14-iso-, C13-rich, ethoxylated (CAS no.: 78330-21-9)	1 - 5 % (weight)
Zinc nitrate (CAS no.: 7779-88-6)	1 - 5 % (weight)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician, if you feel unwell. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor
In case of skin contact	Wash skin with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation persists: Get medical advice/attention
In case of eye contact	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 swallowed	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation: May cause respiratory irritation
Symptoms/effects after skin contact: May cause skin irritation
Symptoms/effects after eye contact: Serious damage to eyes
Symptoms/effects after ingestion: May cause burns

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- 4.3 Indication of immediate medical attention and special treatment needed, if necessary**
Treat symptomatically.

SECTION 5: Fire-fighting measures

- 5.1 Suitable extinguishing media**
Use water or water spray.
- 5.2 Specific hazards arising from the chemical**
No data available.
- 5.3 Special protective actions for fire-fighters**
Do not attempt to take action without suitable protective equipment. Avoid any skin contact. Effects of contact or inhalation may be delayed. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Wear respiratory protection if necessary. Avoid breathing mist, vapors, or spray. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
- 6.2 Environmental precautions**
Do not let product enter drains and avoid releases to the environment.
- 6.3 Methods and materials for containment and cleaning up**
Stop leak if you can do it without risk. Take up liquid spill into inert absorbent material. Dispose according to local, state, and federal regulations.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Do not breathe mist, vapors, or spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. See Section 8 for information on Personal Protective Equipment.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store locked up in original container. Store in a cool, well-ventilated area. Keep container tightly closed, avoid direct sunlight and extreme temperatures. Keep out of the reach of children. This product should be used within 36 months of the date of manufacture.

SECTION 8: Exposure controls/personal protection

- 8.2 Appropriate engineering controls**
Use ventilation adequate to keep exposures below recommended exposure limits.
- 8.3 Individual protection measures, such as personal protective equipment (PPE)**

Pictograms



Eye/face protection

Safety glasses.

Skin protection

Protective gloves.

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Body protection

Wear protective clothing. Clothing with full length sleeves and pants should be worn.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

Physical state	Liquid
Color	Brown
Odor	No data available.
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	2.3
Kinematic viscosity	No data available.
Solubility	No data available.
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	12.1 lbs/gal
Relative vapor density	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Acute toxicity

Alcohols, C11-14-iso-, C13-rich, ethoxylated: LD50 Oral - Rat - >2,000 mg/kg, LD50 Skin - Rat - >2,000 mg/kg

Skin corrosion/irritation

May cause skin irritation.

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Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

SECTION 13: Disposal considerations

Product disposal

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal

Dispose of as unused product. Do not reuse containers.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

SARA 311/312 Hazards

Acute Health Hazard for: Alcohols, C11-14-iso-, C13-rich, ethoxylated.

California Prop. 65 Components

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

US EPA TSCA public inventory

Chemical name: Calcium Ammonium Nitrate

CAS number: 15245-12-2

Chemical name: Alcohols, C11-14-iso-, C13-rich, ethoxylated

CAS number: 78330-21-9

Chemical name: Zinc nitrate

CAS number: 7779-88-6

SECTION 16: Other information

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 BioSafe Systems 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 BioSafe Systems has been advised of the possibility of such damages.