



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome Yield Booster

SECTION 1: Identification

GHS Product identifier

Product name Ferti-lome Yield Booster
Product number 10607
Brand Ferti-lome

Recommended use of the chemical and restrictions on use

Fertilizer

Supplier's details

Name Voluntary Purchasing Groups, Inc.
Address 230 FM 87
Bonham TX 75418
USA
Telephone 855-270-4776

Emergency phone number

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

General hazard statement

H303+H313 May be harmful if swallowed or in contact with skin
H320 Causes eye irritation

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

GHS label elements, including precautionary statements

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Calcium chloride (CAS no.: 10043-52-4; EC no.: 233-140-8; Index no.: 017-013-00-2)	24 - 26 %
CLASSIFICATIONS: Eye damage/irritation, Cat. 2A. HAZARDS: H319 - Causes serious eye irritation.	

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SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.

If inhaled Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.

In case of skin contact Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

In case of eye contact Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

If swallowed Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

Personal protective equipment for first-aid responders
Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979)
Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact.
Eye wash and shower facilities should be available.

Most important symptoms/effects, acute and delayed

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

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

No information available

SECTION 5: Fire-fighting measures

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Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Specific hazards arising from the chemical

Formed under fire conditions: Hydrogen chloride gas, Calcium oxide

Special protective actions for fire-fighters

This product is not combustible. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run-off. Self-contained breathing apparatus with full-face piece and full fire fighting turnout gear (Bunker Gear).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear chemical resistant gloves, protective clothing and safety glasses.

Environmental precautions

Dispose of material according to State, Local and Federal regulations.

Methods and materials for containment and cleaning up

Contain and absorb spilled material with sand, vermiculite, or other inert absorbent. Place in appropriate container for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Remove contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities

Store this product in the original container in a locked storage area inaccessible to children and pets. Do not store near feed, seed, food or pesticides. Keep from freezing. Protect from atmospheric moisture. Keep containers closed when not in use. Keep separated from incompatible substances.

Avoid contact with: bromide trifluoride, 2-furan percarboxylic acid because calcium chloride is incompatible with those substances. Contact with zinc forms flammable hydrogen gas, which can be explosive. Catalyzes exothermic polymerization of methyl vinyl ether. May release flammable hydrogen gas. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromates.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

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

Eye/face protection

Safety glasses or goggles (ANSI Z87.1 1979)

Skin protection

PVC or Neoprene gloves

Body protection

Water proof apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

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Respiratory protection

NIOSH/MSHA approved for protection

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Clear liquid
Odor	None
Odor threshold	No information available
pH	7
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	>212 F
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility(ies)	Very Soluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

Additional properties

Physical state	Liquid
Color	Colorless

SECTION 10: Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable, however, may decompose if heated.

Possibility of hazardous reactions

HAZARDOUS POLYMERIZATION: Will not occur.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

Strong acids, Borane/boron oxides, Zinc, Calcium oxide, Methyl vinyl ether, Calcium chloride is attacked by bromine trifluoride. Metals will slowly corrode in Aqueous Calcium Chloride Solutions. Aluminum and its alloys and yellow brass will be attacked by calcium chloride.

Hazardous decomposition products

Chlorine and Chlorine dioxide gases.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

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Calcium chloride
LD50 Oral - Rat - 2,301 mg/kg
LD50 Dermal - Rabbit - >5,000 mg/kg
LC50 Inhalation - Rat - >0.16 mg/l/4h
LC50 - Lepomis macrochirus (bluegill) - 10,650 mg/l - 96 h
EC50 - Daphnia magna (water flea) - 2,400 mg/l - 48 h

Skin corrosion/irritation

Irritation.

Serious eye damage/irritation

Irritation.

Respiratory or skin sensitization

Irritation of the mucous membrane and upper respiratory tract.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

Specific target organ toxicity (STOT) - single exposure

No information available.

Specific target organ toxicity (STOT) - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information

Toxicity

Calcium chloride
LC50 fish 2 - 10,650 mg/l (96h; Lepomis macrochirus)
EC50 Daphnia 2 - 383 mg/l (48 h; Daphnia magna)
TLM fish 1 - 2400 ppm (48 h; Pisces)
Threshold limit algae 1 - 3,130 mg/l (120 h; Diatomeae)
Threshold limit algae 2 - 27,000 mg/l (72 h; Selenastrum capricornutum; GLP)

Persistence and degradability

Not established.

Bioaccumulative potential

Not applicable

Mobility in soil

No additional information available

SECTION 13: Disposal considerations

Disposal methods

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Product disposal

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

Packaging disposal

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

Waste treatment

Avoid release to the environment.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

SARA 311/312 Hazards

Acute Health Hazard for: CALCIUM CHLORIDE.

SARA 313 Components

This material [CALCIUM CHLORIDE] does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302 Components

No chemicals in this material [CALCIUM CHLORIDE] are subject to the reporting requirements of SARA Title III, Section 302

US EPA TSCA public inventory

Chemical name: Calcium chloride (cacl₂)
CAS number: 10043-52-4

Water hazard class (WGK, Germany)

Chemical name: Calcium chloride, cas number: 10043-52-4
WGK hazard class: WGK 1 - Slightly hazardous to water

Massachusetts Right To Know Components

Product name: Ferti-lome Yield Booster RTU

New Jersey Right To Know Components

Product name: Ferti-lome Yield Booster RTU

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Pennsylvania Right To Know Components

Product name: Ferti-lome Yield Booster RTU

SECTION 16: Other information

Further information/disclaimer

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