VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet
Ferti-lome Copper Fungicide Ready To Use

SECTION 1: Identification

GHS Product identifier

Product name	Ferti-lome Copper Fungicide Ready To Use
Product number	16136
Brand	Ferti-lome

Other means of identification
EPA Reg. No. 67702-1-7401

Recommended use of the chemical and restrictions on use
Residential use fungicide

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

Classification of the substance or mixture

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

GHS label elements, including precautionary statements

Pictograms

Hazard statement(s)

H302	Harmful if swallowed
H312	Harmful in contact with skin

H332	Harmful if inhaled
H401	Toxic to aquatic life

Precautionary statement(s)

P102	Keep out of reach of children.
P103	Read label before use.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Octanoic acid, copper salt (1:?) (CAS no.: 20543-04-8)	**0.08 %**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

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
May cause irritation of the muccous membranes. Excessive exposure, espicially if prolonged, may cause skin irritation. May be irritating to the eyes.

Indication of immediate medical attention and special treatment needed, if necessary
No information available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Water, foam or CO2

Specific hazards arising from the chemical
CO2 and CO may be evolved during burning

Special protective actions for fire-fighters
Use normal fire fighting procedures

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
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.

Environmental precautions
This product may be toxic to fish and aquatic organisms. Do not apply directly to water.

Methods and materials for containment and cleaning up
Material is slippery when spilled. Soak up with a solid absorbent and collect for disposal. Small amounts may be flushed with water.
Dispose in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Precautions for safe handling
Material is slippery when spilled.

Conditions for safe storage, including any incompatibilities
Store near room temperature. Do not freeze.

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
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.

Respiratory protection
NIOSH/MSHA approved.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Blue liquid
Odor	Acid
Odor threshold	None known
pH	5.75±0.3
Melting point/freezing point	No information available.
Initial boiling point and boiling range	~100° C
Flash point	No information available.
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	1.0
Solubility(ies)	Dispersible in water
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	Blue

SECTION 10: Stability and reactivity

Reactivity
No information available.

Chemical stability
Stable.

Possibility of hazardous reactions
Not established.

Conditions to avoid
Extremely high or low temperatures.

Incompatible materials
Avoid mixing with strong oxidizing agents or acids.

Hazardous decomposition products
CO2 and CO may be evolved during burning.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Acute toxicity
Ingestion (LD50): >2000 mg/kg
Skin corrosion/irritation
May cause skin irritation
Skin (LD50): >2000 mg/kg

Skin corrosion/irritation
Excessive exposure, especially if prolonged, may cause skin irritation.

Serious eye damage/irritation
May be irritating to the eyes.

Respiratory or skin sensitization
May cause irritation of the mucous membranes.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive toxicity
No information available.

Specific target organ toxicity (STOT) - single exposure
May aggravate pre-existing skin conditions

Specific target organ toxicity (STOT) - repeated exposure
No information available.

Aspiration hazard
No information available.

SECTION 12: Ecological information

Toxicity
This product may be toxic to fish and aquatic organisms. Do not apply directly to water.

SECTION 13: Disposal considerations

Disposal methods

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.

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

US EPA TSCA public inventory
Chemical name: Octanoic acid, copper salt (1:?)
CAS number: 20543-04-8

HMIS Rating

Ferti-lome Copper Fungicide Ready To Use	
HEALTH	1
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	

NFPA Rating

SECTION 16: Other information

Further information/disclaimer
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