

MATERIAL SAFETY DATA SHEET



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

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, Texas 75418

Ferti-lome® Root Stimulator

Effective Date: May 3, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Ferti-lome Root Stimulator
EPA #: 7401-252

COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, TX. 75418

2. INGREDIENTS:

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Surfactant	Not determined	Proprietary	Not Established	Not Established
Ammonium phosphate	7783-28-0	Proprietary	Not Established	Not Established
Potassium chloride	7447-40-7	Proprietary	Not Established	Not Established
Ammonium sulfate	7783-20-2	Proprietary	Not Established	Not Established

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration.

TLV: Threshold Limit Value recommended by the American Conference of Governmental Industrial Hygienists.

3. PHYSICAL DATA:

BOILING POINT (°F) Not established	SPECIFIC GRAVITY (H ₂ O=1) 1.156	VAPOR PRESSURE (mm Hg) Not established
PERCENT VOLATILE BY VOLUME (%) Not established	VAPOR DENSITY (AIR=1) Not established	EVAPORATION RATE (ethyl ether=1) Not established
SOLUBILITY IN WATER Soluble		REACTIVITY IN WATER Does not apply
APPEARANCE AND ODOR Liquid with mild odor.		

4. FIRE AND EXPLOSION DATA:

FLASH POINT (°F) 62.78 degrees C (surfactant)	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Not established Upper: Not established
EXTINGUISHING MEDIA Carbon dioxide, water fog, or water deluge.	AUTO IGNITION TEMPERATURE Not established
UNUSUAL FIRE AND EXPLOSION HAZARDS Water may produce slippery surfaces and/or foamy conditions.	
SPECIAL FIRE FIGHTING PROCEDURES Cool fire exposed containers with water.	

5. HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Skin, lungs, and liver.
SIGNS AND SYMPTOMS OF EXPOSURE

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(1) ACUTE OVEREXPOSURE

EYE CONTACT: Severe irritation. SKIN CONTACT: May cause moderate to severe irritation. INHALATION: Excessive exposure may cause respiratory irritation. INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. In severe cases causes blood in the stools or vomiting.

(2) CHRONIC OVEREXPOSURE

None determined.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Not determined

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

None

NTP

☐ YES ☒ NO

IARC

☐ YES ☒ NO

OSHA

☐ YES ☒ NO

OTHER EXPOSURE LIMITS

ACGIH TLV (nuisance dusts) = 10 mg/m³; OSHA PEL (nuisance dusts) = 15 mg/m³

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention. SKIN CONTACT: Remove contaminated clothing. Flush with water for several minutes. Seek medical attention. INGESTION: Seek medical attention immediately. INHALATION: Remove individual to fresh air. Use artificial respiration if breathing has stopped. Seek medical attention immediately.

6. REACTIVITY DATA:

STABILITY

☐ Unstable ☒ Stable

CONDITIONS TO AVOID

Not determined

INCOMPATIBILITY (Materials to Avoid)

Strong oxidizers, alkaline materials, bromine trifluoride, potassium permanganate, sulfuric acid.

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia, cyanic acid.

HAZARDOUS POLYMERIZATION

☐ May Occur ☒ Will Not occur

CONDITIONS TO AVOID

High temperatures

7. SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED

Wear personal protective equipment. Place contaminated materials in a labeled container.

WASTE DISPOSAL METHOD

Dispose of in accordance with Federal, State, and local regulations.

8. PERSONAL PROTECTIVE INFORMATION:

RESPIRATORY PROTECTION

Not required under conditions of normal use. Use a NIOSH/MSHA approved respirator if used in a confined space.

VENTILATION

Use in well-ventilated area.

PROTECTIVE GLOVES

If skin contact is likely to occur.

EYE PROTECTION

Safety goggles

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OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Full protective clothing if needed.

9. SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Keep containers closed when not in use. Store separate from oxidizing agents.

OTHER PRECAUTIONS

Do not use in aluminum containers.

10. TRANSPORT INFORMATION:

Not regulated by DOT or IMDG.

11. OTHER INFORMATION:

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.