

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® Pruning Sealer

Effective Date: May 4, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Ferti-lome® Pruning Sealer

COMPANY IDENTIFICATION:

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

2. COMPOSITION / INFORMATION ON INGREDIENTS:

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Asphalt(May contain sulfur, traces of nickel, iron, or vanadium) [1]	8052-42-4	50	5mg/m3	Not established
Short Range Solvent (Not identified)	Not determined	20	Not determined	Not established

[1]NOTE: This is a toxic chemical and is subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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) >300 degrees F	SPECIFIC GRAVITY (H ₂ O=1) 0.85	VAPOR PRESSURE (mm Hg) Not determined
PERCENT VOLATILE BY VOLUME (%) 48%	VAPOR DENSITY (AIR=1) >1	EVAPORATION RATE (ethyl ether=1) Not determined
SOLUBILITY IN WATER Not determined	REACTIVITY IN WATER Will not evolve flammable or toxic gases	
APPEARANCE AND ODOR Black liquid packed in an aerosol container		

4. FIRE AND EXPLOSION DATA:

FLASH POINT (°F) 120 degrees F (TCC)	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Not determined Upper: Not determined	
EXTINGUISHING MEDIA Dry chemical, foam, CO ₂	AUTO IGNITION TEMPERATURE Not determined	
UNUSUAL FIRE AND EXPLOSION HAZARDS Containers may explode when exposed to heat or flame in excess of 130 degrees F.		
SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool. Move containers from fire area, if possible. Utilize self-contained breathing apparatus with full-face piece operated in pressure demand or other positive pressure mode.		

5. HEALTH INFORMATION:

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Inhalation, eye and skin contact, ingestion
SIGNS AND SYMPTOMS OF EXPOSURE

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(1) ACUTE OVEREXPOSURE

Inhalation may result in irritation of the respiratory tract and mucous membranes, and may produce symptoms of narcosis. Skin or eye contact may result in local irritation.

(2) CHRONIC OVEREXPOSURE

Repeated or prolonged exposure may produce liver damage. Epidemiological studies involving petroleum refinery workers indicate persons with routine exposure to petroleum or one of its constituents may be at an increased risk to the development of benign neoplasm's, digestive system cancers, and skin cancer, particularly melanoma. Asphalt is an IARC Group 3 carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Disorders of the skin, eyes, liver, and respiratory system.

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

Asphalt

NTP

YES NO

IARC

YES NO

OSHA

YES NO

OTHER EXPOSURE LIMITS

Not determined

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician. **EYE OR SKIN CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse. **INGESTION:** Do not induce vomiting. Call a physician.

6. REACTIVITY DATA:

STABILITY

Unstable Stable

CONDITIONS TO AVOID

Does not apply

INCOMPATIBILITY (Materials to Avoid)

Oxidizers, fluorine

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may produce hydrogen sulfide, oxides of carbon, and other toxic agents.

HAZARDOUS POLYMERIZATION

May Occur Will Not occur

CONDITIONS TO AVOID

Does not apply

7. SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED

Eliminate ignition sources. Stop leak. Use water spray to reduce vapors. Absorb spill with sand or other absorbent and place into labeled containers, and seal, for later disposal. Do not contaminate drinking water. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of waste.

WASTE DISPOSAL METHOD

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

8. PERSONAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION

NIOSH/MSHA approved respiratory devices to protect against organic vapors and particulate matter.

VENTILATION

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

PROTECTIVE GLOVES

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General or local exhaust to maintain employee exposure below the TLV/PEL.
EYE PROTECTION Splash--proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

9. SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING Store in cool, dry area away from ignition sources. Container may explode in heat or fire.
OTHER PRECAUTIONS Not determined

10. TRANSPORT INFORMTATION:

Not regulated by DOT or IMDG.

11. OTHER INFORMTATION:

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.