

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

Hi-Yield® Dormant Spray

Effective Date: May 14, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Hi-Yield Dormant Spray
EPA #: 7401-428

COMPANY IDENTIFICATION:

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

2. INGREDIENTS:

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Paraffinic distillate	6474-89-5	Proprietary	Not established	Not established
Nonylphenoxypolyethoxyethanol	9016-45-9	Proprietary	Not established	Not established
C6 and C10 alcohol	Not determined	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) 0.86	VAPOR PRESSURE (mm Hg) <0.0001
PERCENT VOLATILE BY VOLUME (%) Nil	VAPOR DENSITY (AIR=1) 10	EVAPORATION RATE (ethyl ether=1) <1
SOLUBILITY IN WATER Miscible	REACTIVITY IN WATER Does not apply	
APPEARANCE AND ODOR Colorless liquid, little odor.		

4. FIRE AND EXPLOSION DATA:

FLASH POINT (°F) 340 degrees C	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Not established Upper: Not established	
EXTINGUISHING MEDIA Water fog, foam, dry chemical, carbon dioxide	AUTO IGNITION TEMPERATURE 343.33 degrees C (estimated)	
UNUSUAL FIRE AND EXPLOSION HAZARDS None		
SPECIAL FIRE FIGHTING PROCEDURES Wear self-contained breathing apparatus.		

5. HEALTH INFORMATION:

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Eyes, skin contact, inhalation, ingestion.
TARGET ORGANS: Eyes, skin, upper respiratory tract. tract.
SIGNS AND SYMPTOMS OF EXPOSURE

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(1) ACUTE OVEREXPOSURE Excessive exposures can cause irritation of the eyes, nose and throat.		
(2) CHRONIC OVEREXPOSURE Prolonged and repeated skin contact can cause defatting of the skin. Can be harmful or fatal if swallowed.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE None		
CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN None		
NTP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IARC <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	OSHA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
OTHER EXPOSURE LIMITS None		
EMERGENCY AND FIRST AID PROCEDURES EYE OR SKIN CONTACT: In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. INGESTION: DO NOT INDUCE VOMITING. Seek medical attention immediately.		

6. REACTIVITY DATA:

STABILITY <input checked="" type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID Does not apply
INCOMPATIBILITY (Materials to Avoid) Strong oxidizers	
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide and asphyxiates	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> 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 Dike spill and absorb with an absorbent material, scoop into container for disposal.
WASTE DISPOSAL METHOD Dispose of in accordance with Federal, State, and local regulations.

8. PERSONAL PROTECTIVE INFORMATION:

RESPIRATORY PROTECTION Not necessary under normal use.
VENTILATION Use in well ventilated areas.
PROTECTIVE GLOVES If skin contact is likely to occur.
EYE PROTECTION Goggles
OTHER PROTECTIVE CLOTHING OR EQUIPMENT If needed.

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9. SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Do not store with strong oxidizers. Do not store with food, feed or seed.

OTHER PRECAUTIONS

None

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.