

**Material
Safety
Data
Sheet**
Hi-Yield® Dormant Spray
SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Name: Voluntary Purchasing Groups, Inc.	Box 460, Bonham, TX 75418
Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec)	
For Additional Information Contact: Product Manager or Chemtrec	Date Prepared: January 6, 2004
Common Name (Used on Label): Hi-Yield® Dormant Spray	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture
Trade Name & Synonyms: Hi-Yield® Dormant Spray EPA # 7401-428	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Paraffinic distillate	6474-89-5	Proprietary	Not established	Not established
Nonylphenoxypolyoxyethanol	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.

SECTION 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		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) 340 degrees C (COC)	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.		

SECTION 5 - HEALTH INFORMATION

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

SECTION 6 - REACTIVITY DATA

STABILITY <input 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

SECTION 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.

SECTION 8 - PERSONAL PROTECTION 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

SECTION 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

SECTION 10 - 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.