

**Material
Safety
Data
Sheet**
Hi-Yield® Root Killer
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: 03-14-03
Common Name (Used on Label): Hi-Yield® Root Killer	Chemical Family: Inorganic salt
Chemical Name: Mixture	Formula: Does not apply
Trade Name & Synonyms: Hi-Yield® Root Killer EPA # 7401-326	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Copper sulfate [1]	7758-98-7	99.0	1mg/m3(Cu)	1mg/m3(Cu)

[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.

SECTION 3 - PHYSICAL DATA

BOILING POINT (°F) 1202 degrees F (650 degrees C)	SPECIFIC GRAVITY (H ₂ O=1) 3.6	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) Does not apply	VAPOR DENSITY (AIR=1) Does not apply	EVAPORATION RATE (ethyl ether=1) Does not apply
SOLUBILITY IN WATER Appreciable (>10%)	REACTIVITY IN WATER Will not evolve flammable or toxic gases	
APPEARANCE AND ODOR Blue crystalline powder		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) Not determined	FLAMMABLE LIMITS IN AIR (% by volume) Lower: <u>Not determined</u> Upper: <u>Not determined</u>	
EXTINGUISHING MEDIA Dry chemical, CO ₂ , Halon, water spray or standard form	AUTO IGNITION TEMPERATURE Not determined	
UNUSUAL FIRE AND EXPLOSION HAZARDS Avoid breathing vapors or dusts.		
SPECIAL FIRE FIGHTING PROCEDURES Move container from fire area if possible. Do not scatter spilled material with high-pressure water streams. Dike		

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fire control water for later disposal.

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS

Eyes, skin, inhalation, lungs, central nervous system.

SIGNS AND SYMPTOMS OF EXPOSURE

(1) ACUTE OVEREXPOSURE

Irritation of the eyes, skin, and mucous membranes may result upon prolonged contact. Inhalation may cause headache or dizziness.

(2) CHRONIC OVEREXPOSURE

Central nervous system depression can result from repeated overexposure. Skin photosensitivity may develop after repeated skin contact.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None determined

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

None

NTP

YES NO

IARC

YES NO

OSHA

YES NO

OTHER EXPOSURE LIMITS

None

EMERGENCY AND FIRST AID PROCEDURES

EYE OR SKIN CONTACT: Flush with plenty of water for at least 15 minutes and get medical attention. Wash contaminated skin with soap and water. INHALATION: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. INGESTION: Do not induce vomiting. Call a physician.

SECTION 6 - REACTIVITY DATA

STABILITY

Unstable Stable

CONDITIONS TO AVOID

Does not apply

INCOMPATIBILITY (Materials to Avoid)

Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide

HAZARDOUS POLYMERIZATION

May Occur 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 (preferably flame retarding) and scoop or sweep into a container. Label to identify contents.

WASTE DISPOSAL METHOD

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

SECTION 8 - PERSONAL PROTECTION INFORMATION**RESPIRATORY PROTECTION**

Not necessary under normal conditions of use.

VENTILATION

Use in well-ventilated area.

PROTECTIVE GLOVES

Rubber gloves if skin contact is likely.

EYE PROTECTION

Goggles if needed (for spraying or possible splashing)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

If needed, aprons or coveralls.

SECTION 9 - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING & STORING**

Keep away from ignition sources and oxidizers. Keep container closed when not in use.

OTHER PRECAUTIONS

Keep out of reach of children.

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.