1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Hi-Yield® Root Killer
CHEMICAL FAMILY: Inorganic Salt
CHEMICAL NAME: Mixture
EPA #: 7401-326

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

2. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT</th>
<th>CAS NUMBER</th>
<th>% (TYPICAL)</th>
<th>TLV (UNITS)</th>
<th>PEL (UNITS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper sulfate [1]</td>
<td>7758-98-7</td>
<td>99.0</td>
<td>1mg/m3(Cu)</td>
<td>1mg/m3(Cu)</td>
</tr>
</tbody>
</table>

[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:

<table>
<thead>
<tr>
<th>BOILING POINT (°F)</th>
<th>SPECIFIC GRAVITY (H₂O=1)</th>
<th>VAPOR PRESSURE (mm Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1202 degrees F (650 degrees C)</td>
<td>3.6</td>
<td>Does not apply</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERCENT VOLATILE BY VOLUME (%)</th>
<th>VAPOR DENSITY (AIR=1)</th>
<th>EVAPORATION RATE (ethyl ether=1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does not apply</td>
<td>Does not apply</td>
<td>Does not apply</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOLUBILITY IN WATER</th>
<th>REACTIVITY IN WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appreciable (&gt;10%)</td>
<td>Will not evolve flammable or toxic gases</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPEARANCE AND ODOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue crystalline powder</td>
</tr>
</tbody>
</table>

4. FIRE AND EXPLOSION DATA:

<table>
<thead>
<tr>
<th>FLASH POINT (°F)</th>
<th>FLAMMABLE LIMITS IN AIR (% by volume)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Lower: Not determined Upper: Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXTINGUISHING MEDIA</th>
<th>AUTO IGNITION TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry chemical, CO₂, Halon, water spray or standard form</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

UNUSUAL FIRE AND EXPLOSION HAZARDS
Avoid breathing vapors or dusts.

SPECIAL FIRE FIGHTING PROCEDURES
Move containers from fire area if possible. Do not scatter spilled material with high-pressure water streams. Dike fire control water for later disposal.
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.

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

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.

8. PERSONAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION
Not necessary under normal conditions of use.

VENTILATION
Use in well-ventilated area.
### MATERIAL SAFETY DATA SHEET

**Hi-Yield® Root Killer**

**Effective Date:** May 23, 2012

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

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<table>
<thead>
<tr>
<th><strong>PROTECTIVE GLOVES</strong></th>
<th>Rubber gloves if skin contact is likely.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EYE PROTECTION</strong></td>
<td>Goggles if needed (for spraying or possible splashing)</td>
</tr>
<tr>
<td><strong>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</strong></td>
<td>If needed, aprons or coveralls.</td>
</tr>
</tbody>
</table>

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

**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.

### 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.