

**Material
Safety
Data
Sheet**
Hi-Yield® Muriate of Potash
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® Muriate of Potash	Chemical Family: Inorganic Salt
Chemical Name: Not established	Formula: K-Cl
Trade Name & Synonyms: Hi-Yield® Muriate of Potash	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Potassium Chloride	7447-40-7	Proprietary	Not established	Not established
(nuisance dust)			10 mg/m ³	15 mg/m ³
(respirable dust)			5 mg/m ³	5 mg/m ³

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) 1411 degrees C	SPECIFIC GRAVITY (H ₂ O=1) 2 @ 20 degrees C	VAPOR PRESSURE (mm Hg) Not established
PERCENT VOLATILE BY VOLUME (%) Not established	VAPOR DENSITY (AIR=1) Not established	EVAPORATION RATE (ethyl ether=1) Not established
SOLUBILITY IN WATER Slight	REACTIVITY IN WATER Does not apply	
APPEARANCE AND ODOR White/brown granular solid; no odor		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) Does not apply	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Does not apply Upper: Does not apply	
EXTINGUISHING MEDIA Nonflammable- use fire extinguisher suitable for the surrounding fire	AUTO IGNITION TEMPERATURE Does not apply	
UNUSUAL FIRE AND EXPLOSION HAZARDS Does not apply		
SPECIAL FIRE FIGHTING PROCEDURES Does not apply		

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS		
Eyes, skin, upper respiratory tract, gastrointestinal tract		
SIGNS AND SYMPTOMS OF EXPOSURE		
(1) ACUTE OVEREXPOSURE		
EYE CONTACT: Irritation, stinging. SKIN CONTACT: Irritation, stinging. INHALATION: Irritation, coughing, sneezing.		
(2) CHRONIC OVEREXPOSURE		
Not determined		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE		
Kidney disorders.		
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		
Toxicity is similar to sodium chloride (table salt) LD50 (mouse)=383 mg/kg		
EMERGENCY AND FIRST AID PROCEDURES		
EYE CONTACT: Flush with water for 15 minutes. Seek medical attention if irritation persists. SKIN CONTACT: Remove contaminated clothing. Flush with water for several minutes. Seek medical attention if irritation persists. INGESTION: Seek medical attention immediately. Give one to two glasses of water and induce vomiting. INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. Seek medical attention immediately.		

SECTION 6 - REACTIVITY DATA

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID Contact with incompatible materials.
INCOMPATIBILITY (Materials to Avoid) Bromine trifluoride, potassium permanganate and sulfuric acid.	
HAZARDOUS DECOMPOSITION PRODUCTS Not determined	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur	CONDITIONS TO AVOID Not determined

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED
Wear protective equipment if needed (see Section 8). Sweep into labeled container for disposal.
WASTE DISPOSAL METHOD
Dispose of in accordance with Federal, State, and local regulations.

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

NIOSH/MSHA approved respirator for dust.

VENTILATION

Use in well-ventilated area.

PROTECTIVE GLOVES

If skin contact is likely to occur.

EYE PROTECTION

Safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Not determined

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

Keep container closed when not in use.

OTHER PRECAUTIONS

Wash thoroughly after handling.

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.