

**Material
Safety
Data
Sheet**
Hi-Yield® Lawn Fertilizer 15-5-10
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® Lawn Fertilizer 15-5-10	Chemical Family: Does not apply
Chemical Name: Does not apply	Formula: Mixture of monoammonium phosphate, ammonium sulphate, urea, muriate of potash, vermiculite, diatomaceous earth, and water.
Trade Name & Synonyms: Hi-Yield® Lawn Fertilizer 15-5-10	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Monoammonium phosphate	7722-76-1	Proprietary	Not established	Not established
Ammonium sulphate [1]	7783-20-2	Proprietary	Not established	Not established
Urea	57-13-6	Proprietary	Not established	Not established
Attapulgite (diatomaceous earth)	12174-11-7	Proprietary	0.1 mg/m ³ *	0.1 mg/m ³ *
Potassium chloride	7447-40-7	Proprietary	Not established	Not established
* Respirable quartz				

[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) Does not apply	SPECIFIC GRAVITY (H ₂ O=1) 0.5	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) <1%	VAPOR DENSITY (AIR=1) Does not apply	EVAPORATION RATE (ethyl ether=1) Does not apply
SOLUBILITY IN WATER Appreciable	REACTIVITY IN WATER Will not evolve flammable or toxic gases.	
APPEARANCE AND ODOR Multicolored granules; slight chlorine odor		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) Does not apply	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Not determined Upper: Not determined	
EXTINGUISHING MEDIA Water, foam, dry chemical, or carbon dioxide	AUTO IGNITION TEMPERATURE Not determined	

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UNUSUAL FIRE AND EXPLOSION HAZARDS

Thermal decomposition will evolve ammonia and sulfur trioxide. May form an explosive mixture when dispersed in air. An explosion hazard will exist if mixed with oxidizers such as potassium chlorate, potassium nitrate, or potassium nitrite.

SPECIAL FIRE FIGHTING PROCEDURES

Wear pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved or equivalent, and full protective gear. Avoid inhalation of fumes and dusts.

SECTION 5 - HEALTH INFORMATION**PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS**

Skin and eye contact, inhalation, ingestion

SIGNS AND SYMPTOMS OF EXPOSURE**(1) ACUTE OVEREXPOSURE**

Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract; nausea, vomiting, cramps, and diarrhea. Eye and skin contact may result in local irritation. Inhalation of high concentrations may result in upper respiratory tract irritation.

(2) CHRONIC OVEREXPOSURE

Inhalation of dust may permanently damage the lungs and result in the development of pneumoconiosis, silicosis, or other respiratory disorders.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Disorders of respiratory system, dermatitis, or other skin disorders.

CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

None

NTP

YES NO

IARC

YES NO

OSHA

YES NO

OTHER EXPOSURE LIMITS

ACGIH TLV (nuisance dust)=10 mg/m³; OSHA PEL (nuisance dusts)= 15 mg/m³

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician. **EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of entire surface of the eye and lids with water. Obtain medical attention if irritation persists. Oils and ointments should not be used unless directed by a physician. **SKIN CONTACT:** Immediately wash skin with soap and plenty of water. Wash clothing before reuse. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SECTION 6 - REACTIVITY DATA**STABILITY**

Unstable Stable

CONDITIONS TO AVOID

Decomposes upon heating

INCOMPATIBILITY (Materials to Avoid)

Strong oxidizers and alkalis, potassium chlorate, potassium nitrate, and potassium nitrite.

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia, sulfur trioxide, phosphorous oxides, cyanuric acid, cyanic acid, and carbon dioxide.

HAZARDOUS POLYMERIZATION

May Occur Will Not occur

CONDITIONS TO AVOID

Avoid heating or direct exposure to sunlight.

SECTION 7 - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED**

Cleanup of spills may require personal protective equipment (see Section 8). Sweep-up or vacuum the material to the original container, or to a sealed, labeled container. Keep spill out of sewers and open bodies of water.

WASTE DISPOSAL METHOD

Components of this product are toxic to aquatic life. Dispose of in accordance with Federal, State, and local regulations.

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

NIOSH/MSHA approved for protection against toxic dusts containing quartz. If ammonia vapors are encountered, NIOSH/MSHA approved respirators for protection against ammonia vapors.

VENTILATION

Local or general exhaust to maintain exposure below TLV/PEL.

PROTECTIVE GLOVES

PVC or Neoprene

EYE PROTECTION

Safety goggles (ANSI Z87.1 1979)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Apron, boots, long sleeved shirt and full-length pants (or overalls) may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

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

Corrosive to cast iron and aluminum. Store in dry, cool, ventilated area, out of direct sunlight. Separate from strong oxidizers.

OTHER PRECAUTIONS

Not determined

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.