VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet
Hi-Yield® Iron Plus Soil Acidifier Fertilizer 11-0-0

SECTION 1: Identification

Product identifier

Product name	Hi-Yield® Iron Plus Soil Acidifier Fertilizer 11-0-0

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham, TX 75418 USA
Telephone	855-270-4776

Emergency phone number(s)

In the event or a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture
Not classified

GHS label elements, including precautionary statements
No labeling applicable

Other hazards which do not result in classification
No additional information available

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	
Component	**Concentration**
Ammonium Sulfate (CAS no.: 7783-20-2)	
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
VPG Iron 50% (Index no.: 800299)	
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

Description of necessary first-aid measures

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.
Personal protective equipment for first-aid responders	Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Dry Chemical, Carbon Dioxide, Water Spray, or Regular Foam

Specific hazards arising from the chemical
No acute hazard.

Special protective actions for fire-fighters
Avoid breathing vapors or dust. Keep upwind.
Wear pressure-demand, self–contained breathing apparatus, (MSHA/NIOSH) approved or equivalent, and full protective gear.

Further information
Melts and decomposes at 445ºF with emission of ammonia and sulfur trioxide.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz.
Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.
Protective Gloves: PVC or Neoprene.
Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979)
Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact.

Environmental precautions
Avoid the generation of dusts. Prevent release to sewers or waterways in accordance with all applicable federal, state, and local environmental regulations.

Methods and materials for containment and cleaning up
Sweep up, vacuum the material and transfer to the original container, or to a sealed, labeled container.
Residue may be washed away with water.
Dispose of in accordance with Federal, State, and local regulations

SECTION 7: Handling and storage

Precautions for safe handling
Store material in a dry area.

Conditions for safe storage, including any incompatibilities
Separate from strong oxidizers.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls
Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Safety glasses or goggles (ANSI Z87.1 1979)

Skin protection
PVC or Neoprene gloves

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

Respiratory protection
NIOSH/MSHA approved for protection against toxic dusts.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Reddish colored granules
Odor	odorless
Odor threshold	
pH	
Melting point/freezing point	>455ºF
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	
Solubility(ies)	Yes
Partition coefficient: n-octanol/water	None
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

SECTION 10: Stability and reactivity

Reactivity
Yes

Chemical stability
Yes

Possibility of hazardous reactions
Polymerization will not occur.

Conditions to avoid
N/A

Incompatible materials
Ammonium Nitrate, Potassium or Sodium-Potassium Alloy, Potassium Chlorate, Potassium Nitrite, Strong Oxidizers.

Hazardous decomposition products
Melts and decomposes at 445ºF with emission of ammonia and sulfur trioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Medical Conditions Generally Aggravated by Exposure: Disorders of respiratory system, dermatitis or other skin disorders.

Skin corrosion/irritation
Skin contact may result in local irritation.

Serious eye damage/irritation
Eye contact may result in local irritation.

Respiratory or skin sensitization
Inhalation of high concentrations may result in upper respiratory tract irritation.
Inhalation of dust may permanently damage the lungs and result in the development of pneumoconiosis, silicosis, or other respiratory disorders.
Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract; nausea, vomiting, cramps, and diarrhea.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

SECTION 12: Ecological information

Toxicity
None Expected

Persistence and degradability
No data available.

Mobility in soil
No data available.

Results of PBT and vPvB assessment
No data available.

SECTION 13: Disposal considerations

Disposal of the product
If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)
Not regulated:

IMDG
Not regulated

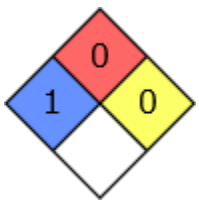
IATA
Not regulated

SECTION 15: Regulatory information

HMIS Rating

Hi-Yield® Iron Plus Soil Acidifier Fertilizer 11-0-0	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

No data available.

Further information/disclaimer
Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.