



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Growers Special 12-6-6

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Growers Special 12-6-6

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 of 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

GHS label elements, including precautionary statements

Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Monoammonium phosphate (CAS no.: 7722-76-1)	Not specified
UREA (CAS no.: 57-13-6; Index no.: 800180)	Not specified
VPG MicroMix (Index no.: 800620)	Not specified
Potassium nitrate (0.5M) (CAS no.: 7757-79-1)	Not specified

SECTION 4: First-aid measures

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

Water, foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Decomposes upon heating to evolve ammonia & sulfur trioxide. May form explosive mixture when dispersed in air. Explosion hazard will exist if mixed with oxidizers such as potassium chlorate, potassium nitrite, or potassium nitrate.

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Special protective actions for fire-fighters

Wear pressure-demand, self-contained breathing apparatus, MSHA/NIOSH approved or equivalent, and full protective gear. Avoid inhalations of fumes and dusts.
Remove containers from fire area. Do not breathe smoke.

Further information

Do not breathe products of combustion. Product may be slippery when wet.

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 in a cool, dry place, ventilated and out of direct sunlight.

Conditions for safe storage, including any incompatibilities

INCOMPATIBILITY (Materials to Avoid)
Polyunsaturated liquids, P₂Cl₅, nitrosyl perchlorate, nitrates, alkalis, oxidizing agents, hypochlorides, aldehydes, inorganic acids, olefins, polymerizable esters.

HAZARDOUS DECOMPOSITION PRODUCTS

Biuret, cyanuric acid, ammonia, and nitrogen oxides.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.
Avoid breakage of bagged material or spills of bulk material. Use dustless systems for handling, storage, and cleanup. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Wash or vacuum clothing, which has become dusty.
Do not eat, drink, or smoke while handling.

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

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Eye/face protection

Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.

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	Multicolored granules
Odor	Earthy odor
Odor threshold	
pH	
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash point	Noncombustible
Evaporation rate	
Flammability (solid, gas)	Noncombustible
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	
Solubility(ies)	Not determined
Partition coefficient: n-octanol/water	Will not evolve flammable or toxic gases
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

Chemical stability

Stable

Possibility of hazardous reactions

Polymerization may occur.

Incompatible materials

Polyunsaturated liquids, P2Cl5, nitrosyl perchlorate, nitrates, alkalis, oxidizing agents, hypochlorides, aldehydes, inorganic acids, olefins, polymerizable esters.

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Hazardous decomposition products

Biuret, cyanuric acid, ammonia, and nitrogen oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

(1) ACUTE OVEREXPOSURE

May be harmful if inhaled in sufficient quantities. Symptoms may include breathlessness, wheezing, cough and sputum production. May be irritating to the eyes, skin, mucous membranes, nasal and respiratory passages. Ingestion may cause GI irritation and central nervous system (CNS) depression. CNS depression may include symptoms of drowsiness, slow reflexes and slurred speech. A component of this product is a diuretic.

(2) CHRONIC OVEREXPOSURE

Prolonged exposure to dust of Fuller's earth may cause a relatively benign lung disease, though there is a risk of the development of massive fibrosis. Repeated and prolonged exposure to respirable crystalline quartz, which may be contained in this product, may cause delayed lung injury including silicosis. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death. Repeated or prolonged skin contact may cause skin irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Disorders of the eyes, skin, respiratory system, and central nervous system.

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

Ingestion of large quantities may cause symptoms of non-specific irritation of the gastrointestinal tract; nausea, vomiting, cramps, and diarrhea. 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.

SECTION 12: Ecological information

Toxicity

Do not allow wash water to enter drinking water supplies, sewer, or waterways.

Keep animals away from large spills.

SECTION 13: Disposal considerations

Disposal of the product

Cleanup with dustless methods (vacuum) and place into a labeled, closable container, or the original container for later disposal or reuse. Do not dry sweep. Flush with water. Do not allow wash water to enter drinking water supplies, sewer, or waterways. Keep animals away from large spills. Utilize personal protective equipment.

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Disposal of contaminated packaging

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

Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: POTASSIUM NITRATE

CAS number: 7757-79-1

Pennsylvania Right To Know Components

Chemical name: Nitric acid, potassium salt

CAS number: 7757-79-1

Chemical Safety Assessment

NFPA and HMIS are for the OXIDIZER.

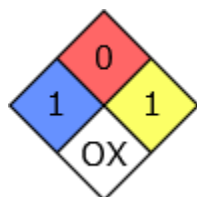
MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES.

CONTACT WITH ORGANIC MATERIAL MAY CAUSE FIRE.

HMIS Rating

Hi-Yield® Growers Special 12-6-6	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

NFPA Rating



SECTION 16: Other information

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.