



**VOLUNTARY PURCHASING GROUPS, INC.**

## **Safety Data Sheet Hi-Yield All Purpose Fertilizer 6-7-7**

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### **SECTION 1: Identification**

#### **GHS Product identifier**

Product name	Hi-Yield All Purpose Fertilizer 6-7-7
Product number	34116
Brand	Hi-Yield

#### **Other means of identification**

NPK 6-7-7

#### **Recommended use of the chemical and restrictions on use**

Fertilizer

#### **Supplier's details**

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA

Telephone	855-270-4776
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#### **Emergency phone number**

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

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### **SECTION 2: Hazard identification**

#### **General hazard statement**

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

#### **Classification of the substance or mixture**

**GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)**

#### **GHS label elements, including precautionary statements**

#### **Precautionary statement(s)**

P102	Keep out of reach of children.
P103	Read label before use.

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### **SECTION 3: Composition/information on ingredients**

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### Mixtures

#### Hazardous components

Component	Concentration
<b>Monoammonium phosphate (CAS no.: 7722-76-1)</b>	<b>Not specified</b>
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
<b>Ammonium sulfate (CAS no.: 7783-20-2)</b>	<b>Not specified</b>
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
<b>Potassium chloride (CAS no.: 7447-40-7; EC no.: 231-211-8)</b>	<b>Not specified</b>
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
<b>Sodium chloride (CAS no.: 7647-14-5; EC no.: 425-740-5; Index no.: 611-142-00-3)</b>	<b>Not specified</b>
CLASSIFICATIONS: Eye damage/irritation, Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 3. HAZARDS: H318 - Causes serious eye damage; H412 - Harmful to aquatic life with long lasting effects.	

## 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.

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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.

### Most important symptoms/effects, acute and delayed

May cause irritation due to mechanical action. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs. May cause irritation of the digestive tract with accompanying nausea, vomiting and diarrhea.

### Indication of immediate medical attention and special treatment needed, if necessary

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Water, foam, dry chemical or carbon dioxide.

### Specific hazards arising from the chemical

Thermal decomposition will evolve ammonia & 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 nitrite, or potassium nitrate.

### 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.

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## 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.

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.

### Methods and materials for containment and cleaning up

Small spill: Move containers from spill area. Avoid dust generation. Recycle, if possible. or : place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Avoid creating dusty conditions and prevent wind dispersal. Recycle to process, if possible or : Place spilled material in an appropriate container for disposal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Reference to other sections

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Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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### 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

Corrosive to cast iron and aluminum. Separate from strong oxidizers.

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### 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.

##### Environmental exposure controls

NTP - NO

IARC - NO

OSHA - NO

OTHER EXPOSURE LIMITS

ACGIH TLV (nuisance dusts)=10 mg/m<sup>3</sup>; OSHA PEL (nuisance dusts)= 15mg/m<sup>3</sup>

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### SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Multicolored granules
Odor	Slight chlorine
Odor threshold	No information available.
pH	6
Melting point/freezing point	No information available.
Initial boiling point and boiling range	Decomposes
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	No information available.
Solubility(ies)	Appreciable
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.

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Viscosity

No information available.

### Additional properties

Physical state

Solid

Color

Multicolored

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## SECTION 10: Stability and reactivity

### Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### Chemical stability

Stable.

### Possibility of hazardous reactions

Polymerization may occur.

### Conditions to avoid

Avoid heating or direct exposure to sunlight. Decomposes upon heating.

### Incompatible materials

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.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Potassium chloride

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

LC50 - Pimephales promelas (fathead minnow) - 880 mg/l - 96 h

NOEC - Pimephales promelas (fathead minnow) - 500 mg/l - 7 d

LOEC - Pimephales promelas (fathead minnow) - 1,000 mg/l - 7 d

EC50 - Daphnia magna (water flea) - >440 mg/l - 48 h

Sodium chloride

LD50 Oral - Rat - 3,550 mg/kg

LD50 Skin - Rabbit - > 10,000 mg/kg

LD50 Inhalation - Rat - > 42,000 mg/m<sup>3</sup> - 1 hr

NOEC - Daphnia magna (water flea) - 1,500 mg/l - 7 d

LC50 - Lepomis macrochirus (bluegill) - 5,840 mg/l - 96 h

LC50 - Daphnia magna (water flea) - 1,661 mg/l - 48 h

#### Skin corrosion/irritation

Skin contact may result in local irritation.

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### 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.

### Germ cell mutagenicity

No known significant effects or critical hazards.

### Carcinogenicity

None.

### Reproductive toxicity

No known significant effects or critical hazards.

### Specific target organ toxicity (STOT) - single 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.

### Specific target organ toxicity (STOT) - repeated exposure

#### (2) CHRONIC OVEREXPOSURE

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

### Aspiration hazard

Not available.

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## SECTION 12: Ecological information

### Toxicity

Potassium chloride

LC50 - Pimephales promelas (fathead minnow) - 880 mg/l - 96 h

NOEC - Pimephales promelas (fathead minnow) - 500 mg/l - 7 d

LOEC - Pimephales promelas (fathead minnow) - 1,000 mg/l - 7 d

EC50 - Daphnia magna (water flea) - >440 mg/l - 48 h

Sodium chloride

NOEC - Daphnia magna (water flea) - 1,500 mg/l - 7 d

LC50 - Lepomis macrochirus (bluegill) - 5,840 mg/l - 96 h

LC50 - Daphnia magna (water flea) - 1,661 mg/l - 48 h

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

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

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

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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.

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### SECTION 14: Transport information

**DOT (US)**  
Not regulated

**IMDG**  
Not regulated

**IATA**  
Not regulated

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### SECTION 15: Regulatory information

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

##### US EPA TSCA public inventory

Chemical name: Phosphoric acid, ammonium salt (1:1)  
CAS number: 7722-76-1

##### Water hazard class (WGK, Germany)

Chemical name: Monoammonium phosphate, cas number: 7722-76-1  
WGK hazard class: WGK 1 - Slightly hazardous to water

##### Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Ammonium sulfate solution  
CAS number: 7783-20-2  
TRI listing: unlisted; CERCLA listing: C-reportable as a chemical category; TURA-only listing: no; de minimis concentration threshold: 1 percent. Qualifiers/definitions: Report as part of Ammonia CAS 7664417. Do not report as an individual chemical. Changes: Delisted from TRI and TURA as an individual chemical of RY1994 but ammonia portions still reportable under ammonia

##### Pennsylvania Right To Know Components

Chemical name: Sulfuric acid diammonium salt  
CAS number: 7783-20-2  
Listing note: E-environmental hazard.

##### US EPA TSCA public inventory

Chemical name: Sulfuric acid ammonium salt (1:2)  
CAS number: 7783-20-2

##### Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Ammonium sulfate  
CAS number: 7783-20-2  
Asterisk: no; Refs: 5 F9

##### Water hazard class (WGK, Germany)

Chemical name: Ammonium sulfate, cas number: 7783-20-2  
WGK hazard class: WGK 1 - Slightly hazardous to water

#### HMIS Rating

Hi-Yield All Purpose Fertilizer 6-7-7	
<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	

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PHYSICAL HAZARD
PERSONAL PROTECTION

### NFPA Rating



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## SECTION 16: Other information

### Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.