



**VOLUNTARY PURCHASING GROUPS, INC.**

## **Safety Data Sheet Hi-Yield Grower's Special 12-6-6**

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### **SECTION 1: Identification**

#### **GHS Product identifier**

Product name	Hi-Yield Grower's Special 12-6-6
Product number	34190; 34191; 33192
Brand	Hi-Yield

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

NPK 12-6-6

#### **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

#### **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**

EYES: May cause eye irritation

SKIN: May cause skin irritation

INGESTION: Possible nausea, vomiting, diarrhea.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

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

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.

#### **Other hazards which do not result in classification**

MEDICAL CONDITIONS AGGRAVATED: Skin abrasions, sores, or other pre-existing skin conditions. Inhalation of dust may

# Safety Data Sheet

## Hi-Yield Grower's Special 12-6-6

aggravate asthma.

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### SECTION 3: Composition/information on ingredients

#### Mixtures

#### Hazardous components

Component	Concentration
<b>Urea (CAS no.: 57-13-6)</b> CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified, Proprietary*
<b>Ammonium phosphate dibasic (CAS no.: 7783-28-0)</b> CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified, Proprietary*
<b>Monoammonium phosphate (map) (CAS no.: 7722-76-1)</b> CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified, Proprietary*
<b>Potassium chloride (CAS no.: 7447-40-7)</b> CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified, Proprietary*

#### Trade secret statement (OSHA 1910.1200(i))

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

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### SECTION 4: First-aid measures

#### Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
If inhaled	Assure fresh air breathing. Allow person to rest.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Personal protective equipment for first-aid responders	See product label for specific First Aid Measures. The above measures are the most conservative and would apply in the event a product label is not immediately available.

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

Not expected to present a significant hazard under anticipated conditions of normal use.

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

No data available.

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### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Do not use a heavy water stream.

#### Specific hazards arising from the chemical

Thermal decomposition may produce ammonia as well as toxic oxides of carbon, nitrogen and other metal oxides.

# Safety Data Sheet

## Hi-Yield Grower's Special 12-6-6

High airborne dust concentrations have the potential for explosions.

### Special protective actions for fire-fighters

Evacuate area. Flood with water to cool containers. Apply water from a safe distance to avoid splattering of molten material.

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Do not enter fire area without proper protective equipment, including respiratory protection.

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel.

Equip cleanup crew with proper protection. Ventilate area.

### Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### Methods and materials for containment and cleaning up

On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### Reference to other sections

See Heading 8. Exposure controls and personal protection.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

### Conditions for safe storage, including any incompatibilities

Protect from moisture. Keep container closed when not in use. Store in original container.

Incompatible products: Strong bases. strong acids.

Incompatible materials: Sources of ignition.

### Specific end use(s)

Fertilizer

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

Eye and face protection is not required for routine use. High airborne dust levels or mists of product dissolved in liquid may be

irritating- use chemical goggles. If prolonged or repeated use irritates skin, use natural rubber gloves.

If airborne dust levels are high or irritation occurs, use NIOSH/MSHA approved respirator for dust, mists, and fumes to reduce

exposures to acceptable levels. Running water or eye wash station should be available in case material gets in eyes.

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

#### Eye/face protection

# Safety Data Sheet

## Hi-Yield Grower's Special 12-6-6

Chemical goggles or safety glasses.

### Skin protection

Wear protective gloves.

### Respiratory protection

Wear approved mask.

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## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Blue/ Fine Solid
Odor	Fertilizer
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	55-75 lbs/ft3
Solubility(ies)	Highly soluble in water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

### Additional properties

Physical state	Solid
Color	Blue
Explosive properties	No data available.
Oxidizing properties	No data available.

### Further safety characteristics (supplemental)

No data available.

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## SECTION 10: Stability and reactivity

### Reactivity

Stable under normal conditions.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Not Established.

### Conditions to avoid

Extremely high or low temperatures. Keep away from heat and ignition sources, Damp or wet conditions.

### Incompatible materials

Strong Acids, bases, oxidizers, and reducing agents. Avoid contact with other chemicals, fuels and heavy metal salts.

# Safety Data Sheet

## Hi-Yield Grower's Special 12-6-6

### Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Contact with acids liberates very toxic gases. Toxic metal oxides may be produced.

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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

#### Skin corrosion/irritation

Prolonged or repeated contact with fertilizer may irritate eyes and skin. Skin contact with powdered urea may cause only mild irritation while ingestion may cause nausea, vomiting and possible excitement and convulsions.

#### Serious eye damage/irritation

Prolonged or repeated contact with fertilizer may irritate eyes and skin.

#### Respiratory or skin sensitization

Inhalation of dust may irritate nose, throat, and lungs.

#### Germ cell mutagenicity

Not classified

#### Carcinogenicity

Not classified

#### Reproductive toxicity

Not classified

#### Summary of evaluation of the CMR properties

Not classified

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

Prolonged exposure may cause weakness, depression, headache, mental impairment, anemia, methemoglobinemia, and kidney injury.

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

Inhalation of high concentrations of metals ( such as dusts containing manganese, molybdenum, copper, zinc, iron) over long periods of time (several years, for example) may cause damage to the central nervous

# Safety Data Sheet

## Hi-Yield Grower's Special 12-6-6

system or affect the lung, liver, or kidney.

### Aspiration hazard

Not classified

### Additional information

Little toxicology information is available for this product. Nitrate containing substances are potential allergens. Prolonged or repeated contact with fertilizer may irritate eyes and skin. Inhalation of dust may irritate nose, throat, and lungs. Prolonged exposure may cause weakness, depression, headache, mental impairment, anemia, methemoglobinemia, and kidney injury. Ingestion of nitrates can cause gastrointestinal irritation, muscular weakness, and blue tinged skin (cyanosis). Eye contact with urea powder may cause reversible corneal opacity along with irritation, tearing, and blinking as a foreign body in the eye. Skin contact with powdered urea may cause only mild irritation while ingestion may cause nausea, vomiting and possible excitement and convulsions. Inhalation of high concentrations of metals ( such as dusts containing manganese, molybdenum, copper, zinc, iron) over long periods of time (several years, for example) may cause damage to the central nervous system or affect the lung, liver, or kidney.

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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

Keep out of lakes, streams or ponds.

### Persistence and degradability

Not classified

### Mobility in soil

No data available.

### Other adverse effects

Avoid release to the environment.

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

Dispose in a safe manner in accordance with local/national regulations.

#### Waste treatment

If product is contaminated, dispose of in an approved landfill disposal facility in accordance with applicable federal, state and local regulations.

#### Other disposal recommendations

Avoid release to the environment.

**Safety Data Sheet**  
**Hi-Yield Grower's Special 12-6-6**

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**SECTION 14: Transport information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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**SECTION 15: Regulatory information**

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**SECTION 16: Other information**

No data available.

**Further information/disclaimer**

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