



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Triple 16

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Triple 16
Product number	32351; 32351C; 34351
Brand	Hi-Yield

Other means of identification

NPK 16-16-16

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

SECTION 2: Hazard identification

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

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

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

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.

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.

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

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

Special protective actions for fire-fighters

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.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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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.

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

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ensure good ventilation of the work station.

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

Eye/face protection

Chemical goggles or safety glasses.

Skin protection

Wear protective gloves.

Respiratory protection

Wear approved mask.

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.

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Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
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.

SECTION 10: Stability and reactivity

Reactivity

No data available.

Chemical stability

No data available.

Possibility of hazardous reactions

Not Established.

Conditions to avoid

Extremely High or Low temperatures

Incompatible materials

Strong acids. Strong bases.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

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

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Skin corrosion/irritation

Not classified

Serious eye damage/irritation

Causes eye irritation.

Respiratory or skin sensitization

May cause respiratory irritation.

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

Not classified

Specific target organ toxicity (STOT) - repeated exposure

Not classified

Aspiration hazard

Not classified

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

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Persistence and degradability

Not classified

Mobility in soil

No data available.

Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

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

Packaging disposal

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Dispose in a safe manner in accordance with local/national regulations. Disposal must be done according to official regulations.

Waste treatment

Avoid unintentional release to the environment.

Sewage disposal

Disposal must be done according to official regulations.

Other disposal recommendations

Avoid release to the environment.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

Toxic Substances Control Act (TSCA) Inventory

Product name: Hi-Yield Triple 16

SECTION 16: Other information

Further information/disclaimer

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