



**VOLUNTARY PURCHASING GROUPS, INC.**

## Safety Data Sheet Hi-Yield Herbicide Enhancer

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### SECTION 1: Identification

#### GHS Product identifier

Product name	Hi-Yield Herbicide Enhancer
Product number	31073; 31074
Brand	Hi-Yield

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

Adjuvant

#### 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

#### Classification of the substance or mixture

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

**GHS label elements, including precautionary statements**

#### Pictograms



#### Hazard statement(s)

H320	Causes eye irritation
H315	Causes skin irritation
H302	Harmful if swallowed

#### Precautionary statement(s)

P102	Keep out of reach of children.
P103	Read label before use.
P233	Keep container tightly closed.

# Safety Data Sheet

## Hi-Yield Herbicide Enhancer

P234	Keep only in original container.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

### SECTION 3: Composition/information on ingredients

#### Mixtures

Product does NOT contain any pesticides or pest control agents.

#### Hazardous components

Component	Concentration
<b>Ammonium sulfate (CAS no.: 7783-20-2)</b>	<b>34 %</b>
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
<b>Defoamer, surfactant, drift reduction solution</b>	<b>6.25 %, Proprietary*</b>
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

#### 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	Have the product container with you when calling a poison control center or doctor, or going for treatment.
If inhaled	If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.
In case of skin contact	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing for several minutes.
If swallowed	Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice if you feel unwell.
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

# Safety Data Sheet

## Hi-Yield Herbicide Enhancer

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

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

No information available.

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

No information available.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Foam, Dry Chemical, CO2 or Water.

### Specific hazards arising from the chemical

Burning may produce toxic fumes, carbon monoxide, carbon dioxide, aliphatic aldehydes, carboxylic acids, and oxides of silicon.

### Special protective actions for fire-fighters

Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area.

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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.

### Methods and materials for containment and cleaning up

Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Flush spill area with water. Prevent liquid entering sewers. If slipperiness remains apply more dry-sweeping compound. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling. Use personal protective equipment as required.

### Conditions for safe storage, including any incompatibilities

Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

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## SECTION 8: Exposure controls/personal protection

# Safety Data Sheet

## Hi-Yield Herbicide Enhancer

### Appropriate engineering controls

Normal room ventilation (mechanical) or outdoor use should be satisfactory.

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

#### Pictograms



#### Eye/face protection

Chemical goggles and face shield

#### Skin protection

Chemical gloves, long-sleeved shirts and pants.

#### Respiratory protection

Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate

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## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Clear to light haze liquid
Odor	Odorless
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	>200
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	1.20 g/mL
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

#### Additional properties

Physical state	Liquid
Color	Clear to light haze

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## SECTION 10: Stability and reactivity

#### Reactivity

None known

#### Chemical stability

Stable under normal conditions.

#### Possibility of hazardous reactions

None known

# Safety Data Sheet

## Hi-Yield Herbicide Enhancer

### Conditions to avoid

No information available

### Incompatible materials

None known

### Hazardous decomposition products

CO<sub>2</sub>, O<sub>2</sub>.

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

No information available

#### Skin corrosion/irritation

No information available

#### Serious eye damage/irritation

No information available

#### Respiratory or skin sensitization

No information available

#### Germ cell mutagenicity

No information available

#### Carcinogenicity

No information available

#### Reproductive toxicity

No information available

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

No information available

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

No information available

#### Aspiration hazard

No information available

#### Additional information

No data available.

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## SECTION 12: Ecological information

### Toxicity

No data available.

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

# Safety Data Sheet

## Hi-Yield Herbicide Enhancer

Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

### Packaging disposal

Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

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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

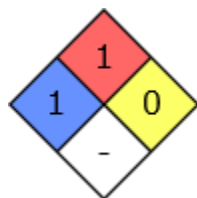
### Safety, health and environmental regulations specific for the product in question

#### Pennsylvania Right To Know Components

Chemical name: Sulfuric acid diammonium salt

CAS number: 7783-20-2

### NFPA Rating



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## SECTION 16: Other information

### Further information/disclaimer

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