



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Herbicide Enhancer

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

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

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.

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.

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.

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

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

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
CO₂, O₂.

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.

SECTION 12: Ecological information

Toxicity
No data available.

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.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

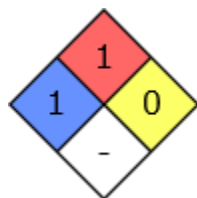
Safety, health and environmental regulations specific for the product in question

Pennsylvania Right To Know Components

Chemical name: Sulfuric acid diammonium salt

CAS number: 7783-20-2

NFPA Rating



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.