



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Atrazine Weed Killer

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Atrazine Weed Killer
Product number	33430
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 19713-567-7401

Recommended use of the chemical and restrictions on use

Residential herbicide

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

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

- Acute toxicity, inhalation, Cat. 4
- Acute hazards to the aquatic environment, Cat. 1

GHS label elements, including precautionary statements

Pictograms



Signal word

Warning

Hazard statement(s)

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H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]
H401	Toxic to aquatic life

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P501	Dispose of contents/container to in accordance with Federal, State and local regulations.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P314	Get medical advice/attention if you feel unwell.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Atrazine (CAS no.: 1912-24-9; EC no.: 217-617-8; Index no.: 613-068-00-7)	4 %
CLASSIFICATIONS: Specific target organ toxicity (repeated exposure), Cat. 2; Sensitization, skin, Cat. 1; Hazardous to the aquatic environment, short-term (acute), Cat. 1; Hazardous to the aquatic environment, long-term (chronic), Cat. 1. HAZARDS: H317 - May cause an allergic skin reaction; H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route]; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects.	
Related triazines	0.08 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Have the product container or label with you when calling a poison control center or doctor or going for treatment. Note to Physician: There is no specific antidote for Atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry or activated charcoal may be considered
If inhaled	No information available.
In case of skin contact	Immediately flush skin with water while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Destroy contaminated leather items such as shoes, belts, and watchbands.
In case of eye contact	No information available.

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If swallowed

Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water then have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Have product label with you when calling a poison control center or doctor.

Most important symptoms/effects, acute and delayed

No information available.

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

There is no specific antidote for Atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry or activated charcoal may be considered.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use foam, dry chemical, carbon dioxide, or water fog when fighting fires involving this product. Do not use water jet, as this may spread burning material. Minimize the use of water to avoid environmental contamination. Contain all runoff.

Specific hazards arising from the chemical

Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Thermal decomposition during a fire can produce fumes and irritating gases.

Special protective actions for fire-fighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Use full face shield and operate in positive pressure mode. Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Further information

Hazardous Combustion Products: Carbon oxides, nitrogen oxides, halogenated compounds, irritating fumes and smoke.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7: Handling and Storage, for additional precautionary measures. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8: Exposure Controls and Personal Protection.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up

Contain spilled material if possible. Small spills: absorb in earth, sand or absorbent material and sweep up. Collect in suitable and properly labeled containers. Large spills: Contact

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Southern Agricultural Insecticides, Inc. for clean-up assistance. See Section 13: Disposal Considerations, for additional information.

Reference to other sections

See Section 13: Disposal Considerations, for additional information.

See Section 12, Ecological Information.

Section 8: Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with eyes, skin, and clothing. When using do not eat, drink or smoke. Wash thoroughly after handling. Do not swallow. Avoid breathing vapor. Use with adequate ventilation. Wear chemical protective equipment when handling. Keep away from heat, sparks and flame. See Section 8: Exposure Controls and Personal Protection.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated and secure area designated specifically for pesticides and away from heat sources. Keep in original containers and keep containers closed when not in use. Do not store in excessive heat. Do not store near children, food, foodstuffs, drugs or potable water supplies.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Atrazine (CAS: 1912-24-9 EC: 217-617-8)

TLV®: 5 mg/m³

Appropriate engineering controls

Ventilation: When handling this product proper ventilation is required to maintain exposure below the TLV. Ventilate all transport vehicles prior to unloading. Facilities storing or utilizing this material should be equipped with and eyewash facility and safety shower.

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

Pictograms



Eye/face protection

Wear safety glasses with side shields or chemical splash goggles to prevent vapors or mists from entering the eyes. If using a full face shield, always use safety glasses or goggles along with the face shield to ensure adequate protection of the eyes.

Skin protection

Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

Body protection

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Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene, Nitrile/butadiene rubber ("nitrile" or "NBR") or Polyvinyl chloride ("PVC" or "vinyl").

Respiratory protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. When handling in enclosed areas, when large quantities of mists are generated or prolonged exposure is possible in excess of the TLV, use a respirator with either an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Light tan liquid
Odor	Mild
Odor threshold	No information available.
pH	5-8.5 (5% aqueous solution)
Melting point/freezing point	26°F
Initial boiling point and boiling range	103°C
Flash point	>200 °F
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	8.46 lbs. /gal.
Solubility(ies)	Disperses in water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	550-650 cP (20°C)

Additional properties

Physical state	Liquid
Color	

SECTION 10: Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable at typical use temperatures and in closed containers

Possibility of hazardous reactions

No information available.

Conditions to avoid

Avoid heat of open flame. Avoid high temperatures above 130°F (54.4°C)

Incompatible materials

Avoid contact with: Strong acids. Strong bases. Strong oxidizers

Hazardous decomposition products

Decomposition products can include and are not limited to: Carbon oxides, nitrogen oxides, ammonia and halogenated compounds.

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SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ingestion:

Oral, LD50, (rat): >2,000 mg/kg

Dermal:

Dermal, LD50, (rat): >2,000 mg/kg

Inhalation:

Inhalation, LC50, (rat): >4.44 mg/l

Eye Irritation (rabbit):

Non-irritating

Skin Irritation (rabbit):

Non-irritating

Sensitization Skin (Guinea Pig):

Non-sensitizer

Chronic Toxicity:

Cardiotoxicity in long term study with high doses (dogs)

Carcinogenicity:

Not likely to cause cancer in humans. None observed (male Sprague-Dawley rats, F-344 rats or mice).

Teratogenicity, mutagenicity, and other reproductive effects: None known

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

Not likely to cause cancer in humans. None observed (male Sprague-Dawley rats, F-344 rats or mice)

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.

SECTION 12: Ecological information

Toxicity

This product is slightly toxic to birds, aquatic invertebrates and bees.

Aquatic Toxicity:

Rainbow Trout, 96 hour, LC50: 4.5 ppm

Bluegill, 96 hour, LC50: 54.5 ppm

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Daphnia magna, 48 hour, EC50: 6.9 ppm

Arthropod Toxicity:

Bees, acute, LD50: >25 µg/bee

Bird Toxicity:

Bobwhite Quail, 12-day, LD50: 940 mg/kg

Persistence and degradability

Low bioaccumulation potential. Not persistent in soil. Stable in water. Highly mobile in soil. Will leach. Sinks in water (after 24 hrs.)

SECTION 13: Disposal considerations

Disposal methods

Other disposal recommendations

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 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.

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

Massachusetts Right To Know Components

Chemical name: 6-Chloro-N-ethyl-n'-(1-methylethyl)-1,3,5-triazine-2,4-diamine

CAS number: 1912-24-9

New Jersey Right To Know Components

Common name: Atrazine

CAS number: 1912-24-9

Pennsylvania Right To Know Components

Chemical name: 1,3,5-Triazine-2,4-diamine, 6chloro-N-ethyl-n'-(1-methylethyl)-

CAS number: 1912-24-9

California Prop. 65 components

Chemical name: Atrazine

CAS number: 1912-24-9

07/15/2016 - Developmental toxicity

07/15/2016 - Female reproductive toxicity

FIFRA

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This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemical. The hazard information required on the pesticide label is listed out below. The pesticide label also includes other important information, including directions for use.

SARA 313 Components

Product name: Hi-Yield Atrazine Weed Killer

SARA 311/312 Hazards

Product name: Hi-Yield Atrazine Weed Killer

Toxic Substances Control Act (TSCA) Inventory

Product name: Hi-Yield Atrazine Weed Killer

HMIS Rating

Hi-Yield Atrazine Weed Killer	
HEALTH	2
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	

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.