



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Atrazine Weed Killer Ready to Spray

SECTION 1: Identification

Product identifier

Product name Hi-Yield Atrazine Weed Killer Ready to Spray
Product number 33431
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

Emergency phone number(s)

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 (C.4.3), Cat. 4

GHS label elements, including precautionary statements

Pictogram



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Signal word

Warning

Hazard statement(s)

H332
H401

Harmful if inhaled
Toxic to aquatic life

Precautionary statement(s)

P261
P271
P304+P340

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
Dispose of contents/container to in accordance with Federal, State and local regulations.

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 % (weight)
CLASSIFICATIONS: Specific target organ toxicity (repeated exposure) (C.4.12), Cat. 2; Sensitization, skin (C.4.7), Cat. 1; Hazardous to the aquatic environment, short-term (acute) (chapter 4.1), Cat. 1; Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), 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 % (weight)
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

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

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

SECTION 5: Fire-fighting measures

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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.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

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. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment.

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

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

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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

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

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Light tan liquid
Odor	Mild
Odor threshold	
pH	5-8.5 (5% aqueous solution)
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	>200 °F
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	1.01 g/cc
Solubility(ies)	Disperses in water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	550-650 cP (20°C)
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

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Chemical stability

Stable at typical use temperatures and in closed containers

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.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Test results on a similar formulation containing a higher level of a.i. Atrazine:

ATRAZINE

LD50 Oral - Rat - >2,000mg/kg

ATRAZINE

LD50 Dermal - Rat - >2,000mg/kg

ATRAZINE

LC50 Inhalation - Rat - >4.44 mg/L

Carcinogenicity

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

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

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

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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

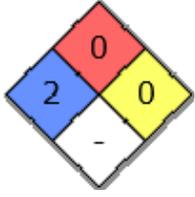
Chemical name: ATRAZINE
CAS number: 1912-24-9
07/15/2016 - Developmental toxicity
07/15/2016 - Female reproductive toxicity

FIFRA

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.

NFPA Rating

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SECTION 16: Other information