



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Triclopyr Ester

SECTION 1: Identification

GHS Product identifier

Product name	Hi-Yield Triclopyr Ester
Product number	35261; 35262
Brand	Hi-Yield

Other means of identification

EPA Reg. No. 81927-11-7401

Recommended use of the chemical and restrictions on use

A liquid herbicide.

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, 2012)

GHS label elements, including precautionary statements

Signal word

Warning

Hazard statement(s)

H302	Harmful if swallowed
H320	Causes eye irritation
H317	May cause an allergic skin reaction
H401	Toxic to aquatic life
H227	Combustible liquid

Precautionary statement(s)

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P102
P103

Keep out of reach of children.
Read label before use.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Triclopyr, butoxyethyl ester (CAS no.: 64700-56-7)	61.6 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Kerosine (petroleum) (CAS no.: 8008-20-6; EC no.: 232-366-4; Index no.: 649-404-00-4)	> 25 %
CLASSIFICATIONS: Aspiration hazard, Cat. 1. HAZARDS: H304 - May be fatal if swallowed and enters airways.	

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. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.
If inhaled	No information available.
In case of skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation or rash occurs: Get medical advice / attention.
In case of eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.
If swallowed	Call a poison control center or doctor immediately for treatment advice. 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. Do not give liquid to the person.

Most important symptoms/effects, acute and delayed

No information available.

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

NOTE TO PHYSICIAN: May pose aspiration hazard, contains petroleum distillates.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Foam, dry chemical, CO2 or water fog.

Specific hazards arising from the chemical

Thermal decomposition may release irritating gases and fumes (see Section 10).

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Special protective actions for fire-fighters

Evacuate area and fight fire upwind from a safe distance to avoid possible hazardous fumes and decomposition products. Dike runoff and do not allow runoff to enter sewers, storm drains or waterways. Foam and dry chemical extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Further information

Flash point (TCC): 84.5°C (184.1°F)

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and materials for containment and cleaning up

SMALL SPILLS: Absorb spill with sand, vermiculite or other inert absorbent. Place contaminated material into an appropriate container for disposal.

LARGE SPILLS: Dike large spills using absorbent or impervious materials such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, scrape up and place in an appropriate container for disposal. After removal, flush contaminated area thoroughly with water, observing all environmental regulations. Recover wash liquid with additional absorbent and place in container for disposal.

Reference to other sections

Section 8

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Conditions for safe storage, including any incompatibilities

Do not use or store near heat or open flame. Do not cut or weld container. Store above 28°F in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a secured storage area.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

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

Eye/face protection

Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been heavily contaminated with this product; do not reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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Skin protection

Wear appropriate PPE.

Body protection

Handlers must wear long-sleeved shirt and long pants, shoes plus socks, chemical resistant gloves made of any waterproof material ≥ 14 mils and a NIOSH approved particulate filtering respirator equipped with N, R, or P class filter media (the respirator should have a NIOSH approval number prefix TC-84A).

Respiratory protection

Wear approved mask.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Amber Liquid
Odor	Kerosene-like
Odor threshold	None known
pH	4-5
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	61.8°C (143.2°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	1.075 g/mL (8.97 lb/gal)
Solubility(ies)	Emulsifies
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	Amber

SECTION 10: Stability and reactivity

Reactivity

Stable under all normal use and storage conditions. May thermally decompose.

Chemical stability

Stable under all normal use and storage conditions. May thermally decompose.

Possibility of hazardous reactions

POLYMERIZATION: Will not occur.

Conditions to avoid

Temperatures above 40°C (105°F) and below -2°C (28°F).

Incompatible materials

Strong acids and oxidizing agents.

Hazardous decomposition products

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Thermal decomposition may generate hydrogen chloride, oxides of nitrogen and phosgene.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

ORAL TOXICITY (rat LD50): > 1,000 mg/kg

DERMAL TOXICITY (rabbit LD50): > 2,000 mg/kg

INHALATION TOXICITY (rat LC50): > 5.2 mg/L

Skin corrosion/irritation

Moderately irritating

Serious eye damage/irritation

Mildly irritating

Respiratory or skin sensitization

Potential sensitizer after repeated exposures to concentrate

Germ cell mutagenicity

Little evidence of mutagenic effects during in vivo and in vitro assays.

Carcinogenicity

CARCINOGENICITY:

EPA: Not listed.

ACGIH: Not Listed NTP: Not Listed

IARC: Not Listed OSHA: Not Listed

Reproductive toxicity

No evidence in animal studies.

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

AQUATIC TOXICITY TERRESTRIAL TOXICITY

Bluegill sunfish 96-hr LC50: 0.44 mg/L

Bobwhite quail oral LD50: 1350 mg/kg

Daphnia magna 48-hr EC50: 0.35 mg/L

Honeybee contact and oral LD50: >230 µg/bee

Green Algae EbC50: 10.6 mg/L

Persistence and degradability

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

This herbicide is injurious to plants at extremely low concentrations. Nontarget plants may be adversely

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affected from drift and run-off.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product (that cannot be used according to label instructions) must be disposed of on site or at an approved waste disposal facility.

Packaging disposal

Refer to the product label for specific container handling instructions.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

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

New Jersey Right To Know Components

Common name: Kerosene

CAS number: 8008-20-6

Listing note: F2-flammable 2nd deg.

Pennsylvania Right To Know Components

Chemical name: Kerosine (petroleum)

CAS number: 8008-20-6

US EPA TSCA public inventory

Chemical name: Kerosine (petroleum)

CAS number: 8008-20-6

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: Kerosine

CAS number: 8008-20-6

Asterisk: no; Refs: 5

Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)

Chemical name: Kerosene (jp-5, jp-8)

CAS number: 8008-20-6

HLth: blood, gastrointestinal system, kidney, nervous system, respiratory system

Labeling requirements under FIFRA

Product name: Hi-Yield Triclopyr Ester

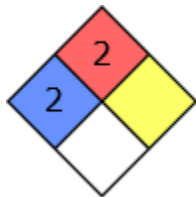
SARA 311/312 Hazards

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NFPA Rating



SECTION 16: Other information

Further information/disclaimer

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