

# SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)



## 1. IDENTIFICATION

**PRODUCT NAME:** Hi-Yield® Triclopyr Ester

**DESCRIPTION:** A liquid herbicide.

**EPA Reg. No.:** 81927-11-7401

**COMPANY IDENTIFICATION:**

**Voluntary Purchasing Groups, Inc.**

230 FM 87

Bonham, TX 75418

## 2. HAZARD IDENTIFICATION



**WARNING**

Harmful if swallowed  
Causes eye irritation  
May cause an allergic skin reaction  
Toxic to aquatic life

Combustible liquid

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Triclopyr BEE	(3,5,6-trichloro-2-pyridinyl)oxyacetic acid, butoxyethyl ester	64700-56-7	61.6%
Kerosene	Kerosene	8008-20-6	> 25.0%

## 4. FIRST AID MEASURES

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 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.

**IF IN EYES:** 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 ON SKIN OR CLOTHING:** 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.

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

## 5. FIREFIGHTING MEASURES

**Flash point (TCC):** 84.5°C (184.1°F)

**Fire and Explosion Hazards:** Thermal decomposition may release irritating gases and fumes (see Section 10).

**Extinguishing Medium:** Foam, dry chemical, CO<sub>2</sub> or water fog.

**Fire Fighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

**Fire Fighting Instructions:** 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.

**NFPA Ratings:** Health – 2 / Flammability – 2 / Reactivity - 0

## 6. ACCIDENTAL RELEASE MEASURES

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.

**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.

## 7. HANDLING AND STORAGE

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.

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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Protective Clothing:** Handlers must wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves made of any waterproof material  $\geq$  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).

**General:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are given, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Amber liquid

**Odor:** Kerosene-like

**pH:** 4.0 – 5.0

**Specific Gravity:** 1.075 g/mL (8.97 lbs/gal)

**Solubility:** Emulsifies

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Temperatures above 40°C (105°F) and below -2°C (28°F).

**CHEMICAL STABILITY:** Stable under all normal use and storage conditions. May thermally decompose.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may generate hydrogen chloride, oxides of nitrogen and phosgene.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong acids and oxidizing agents.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 1,000 mg/kg

**DERMAL TOXICITY (rabbit LD<sub>50</sub>):** > 2,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** No data available

**EYE IRRITATION:** Mildly irritating

**SKIN IRRITATION:** Moderately irritating

**SKIN SENSITIZATION:** Potential sensitizer after repeated exposures to concentrate.

**CARCINOGENICITY:**

**EPA:** Not listed.

**ACGIH:** Not Listed

**NTP:** Not Listed

**IARC:** Not Listed

**OSHA:** Not Listed

**MUTAGENIC TOXICITY:** Little evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**REPRODUCTIVE TOXICITY:** No evidence in animal studies.

## 12. ECOLOGICAL INFORMATION

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 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.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE 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.

**CONTAINER DISPOSAL:** Refer to the product label for specific container handling instructions.

## 14. TRANSPORT INFORMATION

### US DOT

**Containers < 119 Gallons shipped by land or vessel:**

Not regulated by DOT.

**Shipped by air or containers ≥ 119 Gallons shipped by land or vessel:**

DOT Shipping Name: NA1993, Combustible Liquid, N.O.S. (Contains Kerosene),

PG III

DOT Emergency Response Guide

128

### IMDG

**Shipped internationally by vessel:**

Not regulated.

**Marine Pollutant:**

No

## 15. REGULATORY INFORMATION

### **FIFRA –**

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 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.

**Combustible:** Do not use or store near heat or open flame. Do not cut or weld container.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

### **SARA Title III – Section 302 Extremely Hazardous Substances**

Not listed

### **SARA Title III – Section 311/312 Hazard Categories**

Immediate, Delayed, Fire

### **SARA Title III – Section 312 Threshold Planning Quantity**

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

### **SARA Title III – Section 313 Reportable Ingredients**

None

### **CERCLA –**

N/A

### **CALIFORNIA PROP 65 STATUS –**

This product does not contain any products known to the state of California to cause cancer or reproductive harm.

### **CANADA –**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## 16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of Federal law to use a pesticide product in any manner not prescribed on the EPA-accepted label.

Although information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Voluntary Purchasing Groups, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposed prior to use. In no event will Voluntary Purchasing Groups, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

Hi-Yield is a registered trademark of Voluntary Purchasing Groups, Inc.

SDS Version: 1.0

Effective Date: 06/28/2016