



SAFETY DATA SHEET

Martin's Triclopyr 4

1. IDENTIFICATION

PRODUCT NAME: Martin's Triclopyr 4

DESCRIPTION: A liquid herbicide.

EPA Reg. No.: 81927-11-53883

COMPANY IDENTIFICATION:

Control Solutions, Inc.

5903 Genoa Red Bluff

Pasadena, TX 77507

2. HAZARD IDENTIFICATION

DANGER

May be fatal if swallowed and enters airways (H304)

Harmful if swallowed (H302)

Causes mild skin irritation (H316)

May cause an allergic skin reaction (H317)

Very toxic to aquatic life (H400)

Combustible liquid (H227)



HAZARD CLASSIFICATION

Health Hazard

Aspiration Hazard

Sensitization, Skin

Skin Corrosion/Irritation

Acute Toxicity, Oral

Category

1

1

2B

4

Physical Hazards

Flammable Liquids

Category

4

Environmental Hazards

Hazardous to the aquatic environment, short-term

Category

1

PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. (P264+P270)

Avoid breathing mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. (P261+P272+P280)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves / protective clothing / eye protection / face protection. (P210+ P273)

Avoid release to the environment not in accordance with the product label. (P273) **IF SWALLOWED:** Immediately call a Poison Control Center or doctor. Rinse mouth. Do NOT induce vomiting. (P301+ P310+ P330+P331)

IF ON SKIN: Wash with plenty of water. **If skin irritation or rash occurs:** Get medical advice or attention. Specific treatment (See Section 4 for additional medical information). Take off immediately all contaminated clothing. (P302+P352+ P333+313+P321+P362+P364)

Collect spillage. (P391)

Store locked up. (P405)

Dispose of contents / containers in accordance with local, State and Federal regulations. Refer to the product label for specific disposal instructions. (P501)

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%
Aromatic Hydrocarbons	Solvent Naphtha (Petroleum), Heavy Aromatic	64742-94-5	> 25.0%



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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

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

Extinguishing Medium: Foam, dry chemical, CO₂ 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.

Hazardous Combustion Products: Hydrogen chloride, oxides of nitrogen, phosgene.

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.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below exposure limits. Local mechanical exhaust ventilation may be required.

Protective Clothing: Long-sleeved shirt, long pants and shoes plus socks, and chemical resistant gloves (> 14 mils) such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber.

General: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber liquid	pH:	4.0 – 5.0
Odor:	Aromatic Solvent	Kinematic viscosity:	not available
Melting/freezing point:	not available	Solubility:	Emulsifies
Boiling point/Boiling range:	not available	Partition coefficient:	not available
Flammability:	not available	Vapor pressure:	not available
Flammability limits (upper/lower):	not available	Density:	1.075 g/mL (8.97 lbs/gal)
Flash point:	61.8°C (143.2°F)	Relative vapor density:	not available
Auto-ignition temperature:	not available	Particle characteristics:	not available
Decomposition temperature:	not available		

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 phosphene.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids and oxidizing agents.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

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

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

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

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.



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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.

AQUATIC TOXICITY

Bluegill sunfish 96-hr LC₅₀: 0.44 mg/L
Daphnia magna 48-hr EC₅₀: 0.35 mg/L
Green Algae E_bC₅₀: 10.6 mg/L

TERRESTRIAL TOXICITY

Bobwhite quail oral LD₅₀: 1350 mg/kg
Honeybee contact and oral LD₅₀: >230 µg/bee

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

UN Number:	UN3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, N.O.S. (contains Triclopyr, Aromatic Hydrocarbons)
Transport Hazard Class:	9
Packing Group:	III
Hazard Zone:	A
Marine Pollutant:	Yes ¹
Hazardous Substance RQ:	None
Labels / Placards:	US-DOT: Combustible Liquid ² IMDG, IATA: Class 9 Environmentally Hazardous Substance ³
Emergency Guide:	171 (NAERG – North American Emergency Response Guide)
¹ Marine Pollutant Note:	Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49 CFR 172.101 Appendix B (4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant unless a limited quantity exemption applies (see note 3 below).
² US-DOT Note:	Containers < 119 Gallons shipped by land or vessel not regulated for domestic transport. Containers ≥ 119 gallons or shipments by air must be shipped as NA1993, Combustible Liquid, N.O.S. (contains Triclopyr, Aromatic Hydrocarbons), PG III. Emergency response guide 128.
³ IMDG / IATA Note:	Not regulated when shipped in single or inner packaging ≤ 1.3 gallons (5 liters)

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.



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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:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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.

ENVIRONMENTAL HAZARDS

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.

Physical or Chemical Hazards

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.



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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.

To the extent consistent with applicable law, neither Control Solutions, Inc. nor Seller be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

SDS Version: 3.0

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