



Safety Data Sheet

Report Date 27-Aug-15

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1. Identification

Product Name : Trycera
Synonyms : None
Product Use : Selective Broadleaf Herbicide
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Danger
Skin Irritation : Slightly irritating to the skin; mean over time period is 0.53
Eye Irritation : Severely irritating to the eye with irreversible damage
Acute Toxicity Oral : LD50 1,030 mg/kg (female rat)
Acute Toxicity Dermal : LD50 >2,000 mg/kg (female rat)

Hazard Categories : Oral/Dermal/Inhalation Toxicity-4/5/4; Eye/Skin Irritation-1/3

Hazard Statement : Harmful if swallowed
May be harmful in contact with skin
Causes serious eye damage
Causes mild skin irritation
Harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Triclopyr:	55335-06-3	29.4
3,5,6-trichloro-2-pyridinyloxyacetic acid		
Inert ingredients, including surfactants and solvents.	Nonhazardous	70.6

4. First Aid Measures

Eye : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire Fighting Measures



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- Extinguishing Media** : Use foam, water fog, water spray, dry chemical or carbon dioxide extinguishing agents.
- Specific Hazards Arising from the Chemical** : Under fire conditions, this material may emit toxic and irritating vapors.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Contain and dispose of fire control water.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt and long pants, shoes plus socks. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Do not contaminate water supplies with spilled material.
- Methods and Materials for Containment and Cleanup** : Contain spill using an absorbent or impervious material, such as clay, sand or earth. Collect and place in chemical waste containers for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Do not contaminate water, food or feed by storage and disposal. Open dumping is prohibited.
- Conditions for Safe Storage** : Store at temperatures above 28 Degrees F.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL has been set for triclopyr, the active ingredient.
- Appropriate Engineering Controls** : General and/or local exhaust should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt and long pants, shoes plus socks. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear light yellow to amber liquid; surfactant odor
- Flash Point, °F** : >200 Degrees F.
- Boiling Point, °F** : >212 Degrees F.
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : Not determined
- Vapor Density** : Not determined
- Solubility in Water** : Emulsifiable
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.125-1.160
- Evaporation Rate(Butyl Acetate = 1)** : Not determined
- Octanol/Water Partition Coefficient** : No information found
- pH** : 2.2 to 3.2 (1%)
- Flammable Limits (approximate volume % in air)** : Not determined
- Auto-ignition Temperature** : Not determined
- Decomposition temperature** : No information found



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10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : May produce carbon monoxide, nitrogen oxides, hydrogen chloride and phosphene if in a fire.
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Product will burn. Keep away from heat and open flames.
- Incompatible Materials** : Avoid contact or storage with acids, bases and strong oxidizers.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : 1,030 mg/kg (female rats). Harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : >2,000 mg/kg (female rats). May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : 1.32 mg/L (rats). Harmful if inhaled.
- Likely Routes of Exposure** : Eyes, skin, inhalation, ingestion.
- Skin Irritation** : Causes mild skin irritation.
- Eye Irritation** : Causes serious eye damage.
- Skin Sensitization** : Not a contact sensitizer.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None currently known.
- Other Hazards** : None currently known.

12. Ecological Information

- Ecotoxicity** : Under certain conditions, treatment of aquatic weeds can result in oxygen depletion or loss due to decomposition of dead plants, which may contribute to fish suffocation.
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : None
- Transport in Bulk** : None
- Special Precautions for Transportation** : None
- Freight Classification** : Pesticides, NOI, Herbicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)



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15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: Y
Sudden Release of Pressure: N
Fire: N
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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. Following is the hazard information as required on the pesticide label:

EPA Registration Number : 5905-580

FIFRA Signal Word : Danger

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Corrosive.

FIFRA Label Statement : Causes irreversible eye damage.

FIFRA Label Statement : Harmful if swallowed or absorbed through skin.

FIFRA Label Statement : Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

FIFRA Label Statement : Do not get in eyes or on skin or clothing.

FIFRA Label Statement : No additional label statements.

16. Other Information

Data of Preparation/Revision : 27-August-2015