

## SECTION 1: Product and Company Identification

### 1.1. Product identifier

Trade name : Sightline  
 Product code : EPA Reg. No. 74779-8

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/preparation : Herbicide

#### 1.2.2. Uses advised against

No data available

### 1.3. Details of the supplier of the safety data sheet

Rainbow Treecare Scientific Advancements  
 11571 K-Tel Drive  
 Minnetonka, MN 55343  
 Phone: 1-(877) 272-6747 (toll free)  
[www.treecarescience.com](http://www.treecarescience.com)

### 1.4. Emergency telephone number

Emergency number : (800)-424-9300 (CHEMTREC)

This product is an EPA FIFRA registered pesticide. Some classifications on this SDS are not the same as the FIFRA label. Certain sections of this SDS are superseded by federal law governed by US EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

## SECTION 2: Hazards identification

### Classification

|                                           |             |
|-------------------------------------------|-------------|
| Acute toxicity - Oral                     | Category 4  |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4  |
| Skin sensitization                        | Category 1B |
| Aspiration hazard                         | Category 1  |
| Flammable liquids                         | Category 4  |

### GHS Labeling Elements

Hazard pictograms (CLP) :



Signal word : Danger

### HEALTH HAZARDS

: Harmful if swallowed  
 : Harmful if inhaled  
 : May cause an allergic skin reaction  
 : May be fatal if swallowed and enters airways  
 : Combustible liquid

### Appearance

: Clear

### Physical state

: Liquid

### Odor

: No information available

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing must not be allowed out of the workplace  
Keep away from flames and hot surfaces. - No smoking  
Wear protective gloves/eye protection/face protection

#### Precautionary Statements - Response

Specific treatment (see .? on this label)  
IF ON SKIN: Wash with plenty of water and soap  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a doctor if you feel unwell  
IF SWALLOWED: Immediately call a doctor  
Do NOT induce vomiting  
Rinse mouth  
In case of fire: Use CO2, dry chemical, or foam to extinguish

#### Precautionary Statements - Storage

Store locked up  
Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Other information

Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

### SECTION 3: Composition/information on ingredients

#### Substance

Not applicable

#### Mixture

| Component                                   | CAS No      | Weight - %    | Active Ingredient |
|---------------------------------------------|-------------|---------------|-------------------|
| Triclopyr Butoxy Ethyl Ester                | 64700-56-7  | 59.76 - 63.44 | X                 |
| Solvent Naphtha (Petroleum), Heavy Aromatic | 64742-94-5  | 25.07 - 26.63 |                   |
| Other Ingredients                           | Proprietary | >12.00        |                   |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

- Inhalation** : Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.
- Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
- Skin contact** : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
- Ingestion** : Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
- Self-protection of the first aider** : Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid breathing vapors or mists. See section 8 for more information.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

## SECTION 5: Firefighting measures

|                                                               |                                                                                                                                                                      |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media Dry chemical - Large Fire</b> | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam. CAUTION: Use of water spray when fighting fire may be inefficient.             |
| <b>Unsuitable extinguishing media</b>                         | Do not scatter spilled material with high pressure water streams.                                                                                                    |
| <b>Specific hazards arising from the chemical</b>             | Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Product is or contains a sensitizer. May |

|                                                                       |                                                                                                                                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                                                                       | cause sensitization by skin contact.                                                                                               |
| <b>Explosion data - Sensitivity to mechanical impact</b>              | None                                                                                                                               |
| <b>Explosion data – Sensitivity to static discharge</b>               | Yes                                                                                                                                |
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                             |                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists. |
| <b>Other information</b>    | Refer to protective measures listed in Sections 7 and 8.                                                                                                                                                                                                                                                                                                                            |

### Methods and material for containment and cleaning up

|                                |                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for containment</b> | Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.                 |
| <b>Methods for cleaning up</b> | Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** : Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up. Store away from other materials

## SECTION 8: Exposure controls/personal protection

### Control parameters

|                        |                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Exposure Limits</b> | The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here. |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**ENGINEERING CONTROLS** : Showers  
 Eyewash stations  
 Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** : Tight sealing safety goggles.

**Hand protection** : Wear suitable gloves.

**Skin and body protection** : Wear suitable protective clothing.

**Respiratory protection** : No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

### General hygiene considerations:

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance : Light yellow clear liquid  
 Odor : No data  
 pH : 3.65 – 4.65  
 Melting point : Not applicable  
 Boiling point : No data  
 Flash point : 62°C  
 Evaporation rate : No data

|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| Flammability              | : No data                                                                 |
| Flammability limits       | : No data                                                                 |
| Vapor pressure            | : 0.2 mPa (25°C) (Triclopyr)                                              |
| Vapor density             | : Not applicable                                                          |
| Density                   | : 1.12 – 1.15 g/ml (9.4 – 9.6 lb/gal)*                                    |
| Solubility                | : Emulsifies                                                              |
| Partition coefficient     | : Log P <sub>ow</sub> = 0.42 (pH5), -0.45 (pH7), -0.96 (pH9), (Triclopyr) |
| Auto-ignition temperature | : No data                                                                 |
| Decomposition temperature | : No data                                                                 |
| Viscosity                 | : 14.49 cSt (20°C); 6.7 cSt (40°C)                                        |

\*Listed density is an approximate value and does not necessarily represent that of a specific batch.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None known

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Heat, flames and sparks. Excessive heat.

### 10.5. Incompatible materials

None known based on information supplied.

### 10.6. Hazardous decomposition products

None known based on information supplied.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

#### Product Information

|                     |                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).         |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. May cause irritation.                                                                                                                                                                                           |
| <b>Skin contact</b> | May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. (based on components).           |

### Symptoms related to the physical, chemical and toxicological characteristics

|                 |                                                                                        |
|-----------------|----------------------------------------------------------------------------------------|
| <b>Symptoms</b> | Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. |
|-----------------|----------------------------------------------------------------------------------------|

### Acute Toxicity

#### Numerical measures of toxicity

Oral LD<sub>50</sub> (rat) : >1,000 mg/Kg

Dermal LD<sub>50</sub> (rat) : >2,000 mg/Kg

Inhalation LC<sub>50</sub> (rat) : >4.0 mg/L

#### Component Information

| Chemical name                                             | Oral LD50            | Dermal LD50          | Inhalation LC50         |
|-----------------------------------------------------------|----------------------|----------------------|-------------------------|
| Solvent Naphtha (Petroleum), Heavy Aromatic<br>64742-94-5 | > 5000 mg/kg ( Rat ) | > 2 mL/kg ( Rabbit ) | > 590 mg/m3 ( Rat ) 4 h |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                   |                                               |
|-----------------------------------|-----------------------------------------------|
| Skin corrosion/irritation         | Classification not applicable                 |
| Serious eye damage/eye irritation | Classification not applicable.                |
| Respiratory or skin sensitization | Classification not possible.                  |
| Germ cell mutagenicity            | No information available.                     |
| Carcinogenicity                   | No information available.                     |
| Reproductive toxicity             | No information available.                     |
| STOT - single exposure            | No information available.                     |
| STOT - repeated exposure          | No information available.                     |
| Aspiration hazard                 | May be fatal if swallowed and enters airways. |
| Other adverse effects             | No information available.                     |
| Interactive effects               | No information available.                     |

## SECTION 12: Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Chemical name                                             | Algae/aquatic plants                       | Fish                                                                                                                                                                                                                         | Toxicity to microorganisms | Crustacea                            |
|-----------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------|
| Solvent Naphtha (Petroleum), Heavy Aromatic<br>64742-94-5 | EC50: =2.5mg/L (72h, Skeletonema costatum) | LC50: =19mg/L (96h, Pimephales promelas)<br>LC50: =2.34mg/L (96h, Oncorhynchus mykiss)<br>LC50: =1740mg/L (96h, Lepomis macrochirus)<br>LC50: =45mg/L (96h, Pimephales promelas)<br>LC50: =41mg/L (96h, Pimephales promelas) | -                          | EC50: =0.95mg/L (48h, Daphnia magna) |

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

### Component Information

| Chemical name                                             | Partition coefficient |
|-----------------------------------------------------------|-----------------------|
| Solvent Naphtha (Petroleum), Heavy Aromatic<br>64742-94-5 | 6.1                   |

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Disposal:** Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures.

**Container Disposal:** Non-refillable containers (1, 2.5, 30 & 55 gallon): Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.

Refer to the product label for additional and complete Container Handling instructions.

## SECTION 14: Transport information

### SHIPPING DESCRIPTION:

(Ground transport)

Containers ≤ 119 gallons : Not regulated by DOT

Containers > 119 gallons : NA1993, Combustable Liquid, N.O.S., (contains petroleum distillates), PG III

**UN number** : NA 1993

**Proper shipping name** : Combustable liquid

**DOT hazard class** : Combustable Liquid (>119 gallons)

**Identification number** : NA1993

**DOT Packing group** : PG III

**Special Provisions** : IB3, T1, TP1 148

**DOT Marine Pollutant** : I

**Marine pollutant** : Ammonium hydroxide

**Description** : NA 1993 Combustable liquid, n.o.s. (Ammonium hydroxide), III, Marine pollutant

**IATA** : Not regulated

**TDG** : Not regulated

**ICAO (air)** : Not regulated

**IMDG** : Not regulated

## SECTION 15: Regulatory information

**CERCLA REPORTABLE QUANTITY** : Not listed

**TSCA** : This product is exempted from TSCA because it is solely for FIFRA regulated use.

**CALIFORNIA PROP 65** : Not listed

**CWA (Clean Water Act)** : This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### SARA TITLE III STATUS

311/312 Hazard Categories : Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

| Chemical Name              | SARA 313 - Threshold Values % |
|----------------------------|-------------------------------|
| Triclopyr BEE - 64700-56-7 | 1.0                           |

### US State Right-to-Know Regulations

| Chemical name            | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|------------|---------------|--------------|
| Triclopyr BEE 64700-56-7 | X          | -             | X            |

### SECTION 16: Other information

|                                                            |                |   |              |   |                  |   |                     |   |
|------------------------------------------------------------|----------------|---|--------------|---|------------------|---|---------------------|---|
| NFPA                                                       | Health hazards | 2 | Flammability | 2 | Instability      | 0 | Special hazards     | - |
| HMIS                                                       | Health hazards | 2 | Flammability | 2 | Physical hazards | 0 | Personal protection | X |
| 4 = Severe 3 = Serious 2 = Moderate 1 = Slight 0 = Minimal |                |   |              |   |                  |   |                     |   |

SDS US

**Disclaimer:** The information provided by Rainbow Ecoscience. contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

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