

## Safety Data Sheet (SDS)

OSHA HazCom 2012 Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Reviewed on 05/29/2015

### 1 Identification

- **Trade name: Riptide**
- **Product description**  
Aqueous, Organic Biodegradable Solvent

| Name     | Part No. | Packaging   | National Stock No. |
|----------|----------|-------------|--------------------|
| Rip-Tide | 0298-55  | 55 Gal Drum | 6850-01-394-0161   |
| Rip-Tide | 0298-5   | 5 Gal Pail  | 6850-01-394-0165   |
| Rip-Tide | 0298-1   | 4 x 1 Gal   | 6850-01-394-0164   |

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Ecolink  
2177 Flintstone Dr, Ste. A  
Tucker, GA 30084  
www.ecolink.com  
800-886-8240 or 770-621-8240 (8-5 EST)

email: info@ecolink.com

- **Emergency telephone number:** Infotrac: 1-800-535-5053, 1-352-326-2510

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

|              |      |                                      |
|--------------|------|--------------------------------------|
| Acute Tox. 4 | H332 | Harmful if inhaled                   |
| Skin Sens. 1 | H317 | May cause an allergic skin reaction. |
| Flam. Liq. 4 | H227 | Combustible liquid.                  |

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

d-limonene

- **Hazard statements**

Combustible liquid.

Harmful if inhaled.

May cause an allergic skin reaction. May cause an allergic skin reaction

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· **Precautionary statements**

- Keep away from open flames and hot surfaces. - No smoking.
- Avoid breathing mist/vapors/spray.
- Use only outdoors or in well ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
- Contaminated work clothing should not be allowed out of the workplace.
- Specific treatment (see on this label).
- In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.
- Collect spillage.
- IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- Store in a well-ventilated place. Keep cool.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMS-ratings (scale 0 - 4)**



### 3 Composition/information on ingredients

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

5989-27-5 d-limonene 2-12%  
Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315;  
Skin Sens. 1, H317; Flam. Liq. 4, H227

### 4 First-aid measures

· **Description of first aid measures**

- **Inhalation:** If symptoms of overexposure are experienced, move to fresh air. In case of unconsciousness, place patient securely on side position for transportation and seek medical attention.
- **Skin contact:** Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing and shoes. Wash clothing before reuse.
- **Eye contact:** Remove contact lenses at once. Rinse opened eye for at least 15 minutes. Get medical attention if irritation occurs.
- **Swallowing / Ingestion:** Seek medical attention immediately. DO NOT induce vomiting unless directed to do so by medical personnel.

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### 5 Fire-fighting measures

**Suitable extinguishing agents:** CO<sub>2</sub>, foam or dry chemical. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture:** May form acrid fumes, carbon monoxide and carbon dioxide.

**Advice for firefighters:** Vapors may be irritating to eyes, skin and respiratory tract. Firefighters should wear self-contained breathing apparatus (SCBA) and full fire-fighting gear.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures** See Section 8 for personal protection recommendations.

· **Environmental precautions:** Do not allow to enter sewers, drains, ditches, surface or ground water and intermittent dry creek beds.

· **Methods for containment:** Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Absorb spilled liquid with suitable material such as sand, diatomite, acid binders, universal binders, sawdust. Ensure adequate ventilation

**Methods for clean up:** Eliminate all ignition sources. Use equipment rated for use around combustible material. Soaked rags may spontaneously combust; place in appropriate disposal container.

· **Reference to other sections:** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

### 7 Handling and storage

**Precautions for safe handling:** Keep away from heat, sparks and flames. Prevent formation of aerosols or vapor mist. Do not allow to come into contact with eyes, avoid prolonged contact with skin, do not breath vapors and use in well ventilated areas. As with any chemical, employees should thoroughly wash hands with soap and water after handling this material.

**Conditions for safe storage:** Product may be packaged in phenolic-lined steel drums or fluorinated plastic containers. Store in well ventilated area with proper sprinkler/fire deterrent system. Storage temperature should not exceed flash point for extended periods of time. Store at ambient temperature, keep from freezing. Keep container closed when not in use.

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### 8 Exposure controls/personal protection

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- **Control parameters**
- **Components with occupational exposure limits:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls:** Provide ventilation, keep away from all ignition sources.  
**General protective and hygienic measures:** Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
- **Respiratory Protection** - Not normally required. If adequate ventilation is un-available use NIOSH approved air-purifying respirator with organic vapor cartridge or canister.,
- **Protection of hands:** Nitrile gloves are recommended. Boots, apron or bodysuit should be worn if prolonged or repeated skin contact is likely.



Protective gloves

- **Eye protection:** Goggles, face shield or safety glasses with side shields recommended.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

|               |                    |
|---------------|--------------------|
| <b>Form:</b>  | Liquid             |
| <b>Color:</b> | Light orange color |
- **Odor:** Pleasant citrus aroma
- **pH-value @ 20 °C (68 °F):** 9 - 10
- **Change in condition**

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Melting point/Melting range:</b> | Not determined. |
| <b>Boiling point/Boiling range:</b> | 100 °C (212 °F) |
- **Flash point:** > 84 °C (> 183 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**

|                                   |                 |
|-----------------------------------|-----------------|
| <b>Decomposition temperature:</b> | Not determined. |
|-----------------------------------|-----------------|
- **Auto igniting:** Product is not self igniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**

|               |                |
|---------------|----------------|
| <b>Lower:</b> | Not determined |
| <b>Upper:</b> | Not determined |

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- Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)
- **Density @ 20 °C (68 °F):** 1.0 g/cm<sup>3</sup> (8.34 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in Miscibility with Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 5.0 %
  - VOC content:** 5.0 %
  - 50.0 g/l / 0.42 lb/gl
- **Other information:** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable
- **Hazardous decomposition products:** carbon oxides
- **Possibility of hazardous reactions:** None known
- **Conditions to avoid:** Keep away from heat, sparks and flames.
- **Incompatible materials:** Strong acids, strong bases, strong oxidizing agents and strong reducing agents.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
**5989-27-5 d-limonene**  
 Oral LD50 4400 mg/kg (rat)
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**  
 5989-27-5 (R)-p-mentha-1,8-diene- Group 3
- **NTP (National Toxicology Program)**  
 None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**  
 None of the ingredients is listed.

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### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** A spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown that certain bacteria and fungi have the ability to degrade terpenes, decreasing their toxicity to fish.
- **Persistence and degradability** Product is expected to be readily biodegradable.
- **Bioaccumulative potential:** No appreciable bioconcentration is expected in the environment.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects: Remark:** Toxic for fish

### 13 Disposal considerations

- **Waste treatment methods recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Incinerate or dispose of in accordance with Local, State and federal Regulations. Taking regulations into consideration, waste may be incinerated or handled through EPA Spill Control Plan via landfill or dilution. Oil soaked rags should be disposed of properly to prevent spontaneous combustion.
- **Unclean packaging recommendation:** Commercially clean containers prior to disposal.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

- |   |                               |
|---|-------------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· DOT, ADR, ADN, IMDG, IATA</li> </ul>               | <p>Non-Regulated Material</p> |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· DOT, ADR, ADN, IMDG, IATA</li> </ul> | <p>Non-Regulated Material</p> |
| <ul style="list-style-type: none"> <li>· DOT</li> </ul>   |                               |



Limited Quantity

- |  |                               |
|--|-------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul> | <p>Non-Regulated Material</p> |
| <ul style="list-style-type: none"> <li>· <b>ADR</b></li> </ul>                           | <p>Limited Quantity</p>       |



Limited Quantity

- |  |                               |
|--|-------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul> | <p>Non-Regulated Material</p> |
|  | <p>LTD QTY</p>                |


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- |   |  |                    |
|---|--|--------------------|
| <b>· ADN/R Class:</b>   | Non-Regulated Material   | (Contd. of page 6) |
| <b>· IMDG, IATA</b>   |  |                    |
|  | Limited Quantity   |                    |
| <b>· Class</b>  | ID8000   |                    |
| <b>· Label</b>  | Limited Quantity   |                    |
| <b>· Packing group</b>  |  |                    |
| <b>· DOT, ADR, IMDG, IATA</b>   | Non-Regulated Material   |                    |
| <b>· Environmental hazards:</b>   |  |                    |
| <b>· Marine pollutant:</b>  | Not applicable.  |                    |
| <b>· Special precautions for user</b>   | Not applicable.  |                    |
| <b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>  | Not applicable.  |                    |
| <b>· Transport/Additional information:</b>  |  |                    |
| <b>· DOT</b>  | DOT Packaging Exceptions (49 CFR 173.xxx): 150<br>DOT Packaging Non Bulk (49 CFR 173.xxx): 203<br>DOT Packaging Bulk (49 CFR 173.xxx): 242 |                    |
| <b>· UN "Model Regulation":</b>   | LTDQTY   |                    |

### 15 Regulatory information

- Sara**
- Section 355 (extremely hazardous substances):**  
None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):**  
None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):**  
All ingredients are listed.
- Proposition 65**
- Chemicals known to cause cancer:**  
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients is listed.



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· **Chemicals known to cause developmental toxicity:**

*None of the ingredients is listed.*

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

*None of the ingredients is listed.*

· **TLV (Threshold Limit Value established by ACGIH)**

*None of the ingredients is listed.*

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

*None of the ingredients is listed.*

· **GHS label elements**

*The product is classified and labeled according to the Globally Harmonized System (GHS).*

· **Hazard pictograms**



GHS07

· **Signal word** *Warning*

· **Hazard-determining components of labeling:**

*d-limonene*

· **Hazard statements**

*Combustible liquid. Harmful if inhaled. May cause an allergic skin reaction.*

· **Precautionary statements**

*Keep away from open flames and hot surfaces. - No smoking.*

*Avoid breathing mist/vapors/spray.*

*Use only outdoors or in well ventilated area.*

*Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.*

*Contaminated work clothing should not be allowed out of the workplace. Specific treatment (see on this label).*

*In case of fire: Use for extinction: CO2, powder or water spray. Collect spillage.*

*IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.*

*Store in a well-ventilated place. Keep cool.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*



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### 16 Other information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Date of preparation / last revision** 05/29/2015

- **Abbreviations and acronyms:**

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

: Flammable liquids, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Skin Sens. 1: Sensitization - Skin, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

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