



SAFETY DATA SHEET



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: TRAILBLAZER

Application: Low pH Truck and Vehicle Wash

Product Number: 2079

Manufacturer Information: Sunrise Environmental Scientific

UN Number: N/A

Remit: PO Box 10207 Reno, NV 89510

Emergency Phone No.

Physical: 1175 Industrial Way Sparks, NV 89431

Chemtrec: 1-800-424-9300

Phone Number: 775-359-8494 or 800-648-1153

Pages: 3

Web: SUNRISENV.COM

2. HAZARDS IDENTIFICATION

Emergency Overview:

Signal Word: WARNING

Keep out of reach of children.

Potential Health Effects:

Inhalation: Excessive inhalation of vapors may cause irritation of the respiratory tract, nausea, dizziness and/or headache.

Skin Contact: Prolonged contact may cause irritation and/or dryness of skin.

Ingestion: May cause serious health effects including vomiting, nausea and/or gastrointestinal irritation.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS #	Component WT%	PEL	TLV	IDLH
Proprietary blend of Organic Acids	Proprietary	Proprietary	Not established	N/A	N/A
1,4-Dioxane	123-91-1	0%<2%	0.28 PPM	N/D	N/D
Comments: None					

4. FIRST AID MEASURES

Inhalation: If affected by vapors, move to a well ventilated area immediately. If breathing is difficult seek medical help.

Skin Contact: Flush with water, immediately remove all contaminated clothing.

Ingestion: Do not induce vomiting and seek medical care.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue for at least 15 minutes and seek physician help.

Additional Information: None

5. FIRE FIGHTING MEASURES

Flash Point: Not flammable.

Upper Flammable Limit (UFL): N/A

Lower Flammable Limit (LFL): N/A

Auto Ignition: N/D

Rate of Burning: N/D

Hazardous Combustion Product: At temperature above 140°F acid action on most metals may release hydrogen gas (highly flammable and explosive).

Extinguishing Media: Foam, Co2 and/or dry chemicals.

Fire Fighting Equipment/Instructions: Use SCBA equipment. Avoid breathing decomposition product. Wear self-contained breathing apparatus and full body protection.

NFPA Rating: (Flammability 0) (Health 2) (Reactivity 0)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Are recommended such as protective gloves, eye protection a, apron and boots. Local exhaust as needed.

Environmental Precautions: Isolate the spilled area. Prevent additional further leakage or spillage, if safe to do so.

Method for Cleanup & Containment: Wear appropriate protective equipment and clothing during the clean-up. Use non-combustible material like vermiculite, sand, clay or other absorbent material to absorb the spilled liquid.

Additional Information: Follow local and federal regulations with regard to chemical spills.

7. HANDLING AND STORAGE

Handling Procedure: Avoid breathing mist or vapors. Avoid prolonged contact with skin. Avoid contact with eye. Wear suitable PPE.

Wash hands thoroughly after handling the product.

Storage Procedures: Keep in a well-ventilated place, away from open flame, heat, reactive chemicals and/or other source of ignition.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:

ACGIH Components: Use adequate ventilation to maintain TLV.

OSHA Components: No

Engineering Measures: Use fan in confined area. Use local exhaust ventilation.

Personal Protective Equipment (PPE): Utilize suitable protective clothing, and other appropriate PPEs to protect eyes and hands.

Hygiene Recommendations: Use caution appropriate to terpenes. Use protective equipment (apron and boots are optional).

Consider the effect of exposure potentials, handling practices, chemical concentration and ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear amber liquid

Physical State: Liquid

Vapor Pressure: N/D

Boiling Point: 212°F

Solubility (H₂O): Completely soluble in water

Freezing Point: N/D

Odor: Mild odor

pH: N/D

Density: N/D

Vapor Density: N/D

Melting Point: N/D

Specific Gravity: 1.21

VOC: 0.0%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable up to 230°F.

Conditions to Avoid: Heating above 110°C results in exothermic decomposition with rapid release of CO₂ gas.

Incompatibility: Oxidizing agents.

Hazardous Decomposition: Thermal decomposition may yield oxides of carbon, nitrogen and chloride. Hydrogen gas may be released upon contact of certain metals.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Chronic Toxicity Data: This product was found to be corrosive to the eyes when tested using the modified Draize methods.

(OECD guidelines for testing chemicals, Sec 4-5, 1992)

Carcinogenicity: No component in this product is a carcinogenic.

Chronic Toxicity: Not established.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/D

Persistence and Degradability: N/D

Bioaccumulative potential: N/D

Mobility in Soil: N/D

Other Adverse effects: N/D

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Follow local and federal disposal regulations. As a non-hazardous liquid waste, it should be solidified with stabilizing absorbent material before disposal.

14. TRANSPORTATION INFORMATION

US DOT Information: LIQUID CLEANER CLASS 55

UN Number: N/A

Marine Pollutant: Yes

Shipping Name: Trailblazer

Required Label: N/A

15. REGULATORY INFORMATION

Classification: Irritant

Hazard Symbol: Exclamation Point, Health Hazard



US Federal Regulations

OSHA'S Hazard Communication Rule, 29 CFR 1910.1200-Is a moderate skin irritant, moderate eye irritant and a skin sensitizer.

SARA Title III-This product does not contain any chemicals component with known CAS number that exceed the threshold reporting levels establish by SARA Title III, section 313.

State Regulations

California Prop. 65

WARNING: This product can expose you to chemicals including METHANOL, which is known to the State of California to cause cancer and/or cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



16. OTHER INFORMATION

SDS History

Date Prepared: 02/20/2013

Revision Date: 08/28/2018

Contact Information: Sunrise Environmental Scientific
Remit: PO Box 10207 Reno, NV 89510
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