



EcoWash · Nature's Wash · FlowTech

Reference: PT-BIOSURF-001
Version: 01
Issued: May 20, 2026

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name(s): EcoWash · Nature's Wash · FlowTech
Internal Reference: PT-BIOSURF-001
Product Type: Liquid biosurfactant formulation
Net Weight: 8.7 lb. per gallon

1.2 Relevant Identified Uses and Uses Advised Against

Identified Uses:

- Industrial cleaning and degreasing
- Soil remediation
- Marine, boat, deck, and surface cleaning
- General cleaning applications

Application Method: Dilute as appropriate for application. Apply to surface, allow to penetrate, and rinse or remove as needed. Product is typically sold and used diluted. This SDS represents the concentrate as supplied.

Uses Advised Against: Not intended for personal care use, ingestion, or applications inconsistent with labeled directions.

1.3 Details of the Supplier

Manufacturer/Supplier: Plynt Tech (Green Canopy LLC)
Address: 1121 E 1st Ave, Ste #3, Salt Lake City, UT 84103
Business Phone: 833-759-6773
Email: info@plynttech.com

1.4 Emergency Telephone Numbers

- Health emergencies: Poison Control Center 1-800-222-1222 (US)
- Emergency / incident support: 833-759-6773

Section 2 – Hazard(s) Identification

2.1 Classification (OSHA HCS 29 CFR 1910.1200(g) Rev. 2024)

Physical	Health	Environmental
Not classified	Not classified	Not classified

2.2 Label Elements

Label Pictogram: None
Signal Word: None
Hazard Statement: None
Precautionary Statement: None

2.3 Other Hazards

- None identified.

Section 3 – Composition / Information on Ingredients

3.1 Substance: The product is a **mixture** and not a substance.

3.2 Mixture

Chemical Name	CAS No.	EC No.	% Conc. (w/w)	GHS Hazards
Sodium carbonate	497-19-8	207-838-8	3%	H319: Eye irritation (Cat. 2)
Ethanol	64-17-5	200-578-6	1%	H225: Flammable liquid (Cat. 2) H319: Eye irritation (Cat. 2)

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

Section 4 – First Aid Measures

4.1 Description of First Aid Measures

Eye Contact: Remove contact lenses if present. Rinse thoroughly with water for several minutes if direct eye contact occurs. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water if contact occurs. Remove contaminated clothing. Seek medical attention if irritation develops.

Inhalation: Move to fresh air if irritation occurs or symptoms develop. Seek medical attention if symptoms persist.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention if in doubt.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Direct contact may cause mild transient irritation. No other significant effects anticipated under normal conditions of use. Refer to Section 11 for toxicological data.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

- No special treatment indicated. Treat symptomatically.

Section 5 – Fire Fighting Measures

5.1 Extinguishing Media

- Suitable extinguishing media: Water fog, foam, dry chemical, or carbon dioxide.
- Unsuitable extinguishing media: None known.

5.2 Special Hazards Arising from the Substance or Mixture

- Flash point >212°F (ASTM D-56). Product is not expected to present a flammability hazard under normal storage and use conditions. Irritating vapors or fumes may form if involved in a fire. See also Section 10 – Stability and Reactivity.

5.3 Advice for Firefighters

- Wear a self-contained breathing apparatus (SCBA) to protect against potentially irritating vapors or fumes.

Section 6 – Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- Ventilate area if spill occurs in a confined or poorly ventilated space. Observe PPE recommendations in Section 8.

6.2 Environmental Precautions

- Avoid uncontrolled discharge to drains or waterways except in intended applications.

6.3 Methods and Material for Containment and Cleaning Up

- Contain spill if safe to do so. Collect recoverable product into a designated container for recycling or disposal. Ventilate contaminated area thoroughly. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to Other Sections

- Refer to Section 8 – Exposure Controls/Personal Protection and Section 13 – Disposal Considerations.

Section 7 – Handling and Storage

7.1 Precautions for Safe Handling

- Wash hands thoroughly after handling.

- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Store securely and prevent unauthorized access.
- Refer to Section 8 – Exposure Controls/Personal Protection.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- Keep container tightly closed to avoid spills.
- Store in a cool, dry place.

7.3 Specific End Use(s)

- Refer to Section 1.2 – Relevant Identified Uses.

Section 8 – Exposure Controls / Personal Protection

8.1 Control Parameters (Only airborne particles, such as mists, were considered foreseeable under normal use.)

Chemical Name	CAS No.	ACGIH TLV TWA	OSHA PEL TWA	NIOSH REL TWA
Ethanol	64-17-5	1000 ppm	1000 ppm (1900 mg/m ³)	1000 ppm (1900 mg/m ³)

8.2 Exposure Controls – Appropriate Engineering Controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

8.3 Personal Protective Equipment (Consider concentration and amount of product when selecting PPE.)

Respiratory: Under normal conditions of use, a respirator is not required. Use appropriate respiratory protection if product is sprayed and exposure to mist or vapors is likely.

Eyes/Face: If contact is likely, safety glasses with side shields are recommended.

Hands: Use good practices to minimize skin contact. If repeated contact with the material may occur, wear chemically protective gloves.

Body/Skin: Use good practices to minimize skin contact.

Thermal Hazards: None known.

Hygiene Measures: Observe good hygiene practices. Minimize contact with skin. Wash hands after handling.

Section 9 – Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties (Note: Data below are typical values and do not constitute a specification.)

Physical State:	Liquid	Specific Gravity @ 60/60°F:	1.0147 (ASTM D-287)
Appearance:	Bright and clear	Relative Density:	1.0147
Color:	Golden yellow	Density @ 60°F:	1.0137 g/mL (ASTM D-287)
Odor / Odor Threshold:	Mild odor	Viscosity – Kinematic @ 104°F:	2.025 cSt / 32.70 SUS (ASTM D-445)
pH (concentrate, as supplied):	9.5 – 11.5 (Houston Lab measured: 11.15)	Water Solubility:	Soluble
Melting / Freezing Point:	23°F	VOC Content:	10.4 g/L (1.0% by weight)
Boiling Point / Range:	214°F	Vapor Density (Air = 1):	Not determined
Flash Point:	>212°F (ASTM D-56)	Partition Coeff. n-octanol/water:	Not determined



Flammability:	Not expected to present a flammability hazard under normal storage and use conditions (flash point >212°F, ASTM D-56)	Auto-Ignition Temperature:	Not determined
Pour Point:	3°C (ASTM D-97)	Decomposition Temperature:	Not determined
Vapor Pressure:	Not determined	Upper/Lower Explosive Limits:	Not determined
Evaporation Rate:	Not determined	Oxidizing Properties:	None known

Physical property data reflect the concentrate as supplied and are based on laboratory testing and/or formulation-derived information where applicable. Properties requiring direct analytical testing that have not been evaluated are listed as Not Determined.

9.2 Other Information: No further data available.

Section 10 – Stability and Reactivity

10.1 Reactivity: This material is not considered to be reactive under normal handling and storage conditions.

10.2 Chemical Stability: This material is considered stable under normal handling and storage conditions.

10.3 Possibility of Hazardous Reactions: Not expected to occur under normal handling and storage conditions.

10.4 Conditions to Avoid: Exposure to high temperatures; strong acids; strong bases; strong oxidizers.

10.5 Incompatible Materials: Strong acids; strong bases; strong oxidizers; strong reducing agents.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition.

Section 11 – Toxicological Information

Routes of Exposure: Skin contact, incidental ingestion.

Symptoms: Direct contact may cause mild transient irritation. No significant effects anticipated under normal conditions of use.

Acute Oral Toxicity: Practically non-toxic. Oral ATE >5000 mg/kg.

Acute Dermal Toxicity: Practically non-toxic. Dermal ATE >2000 mg/kg.

Acute Inhalation Toxicity: Practically non-toxic based on available data.

Skin Corrosion/Irritation: Not expected to cause skin irritation or corrosion at use concentrations based on available component data.

Serious Eye Damage/Irritation: Sodium carbonate (3%) and ethanol (1%) are individually classified for eye irritation (Category 2); product-level classification is not warranted at the concentrations present in this formulation. Avoid direct eye contact as a matter of good industrial hygiene.

Respiratory/Skin Sensitization: Not expected to cause sensitization based on available data.

Mutagenicity: Not considered mutagenic based on available data.

Carcinogenicity: Not considered carcinogenic based on available data.

Reproductive Toxicity: Not considered a reproductive toxicant based on available data.

STOT – Single Exposure: Not classified based on available data.

STOT – Repeated Exposure: Not classified based on available data.

Aspiration Hazard: Not considered an aspiration hazard based on available data.

References: ECHA (European Chemicals Agency). 2026. REACH Registered Substances Database. IARC Monographs, Volumes 1–129 (2026). NTP Report on Carcinogens, 15th Edition (2021).

Section 12 – Ecological Information

12.1 Toxicity: No mixture-specific aquatic toxicity data are available. Based on available component information, significant aquatic toxicity is not expected.

12.2 Persistence and Degradability: Not determined. Product is plant-based with naturally derived fatty acids (tall oil, oleic acid).

12.3 Bioaccumulative Potential: Not determined.



12.4 Mobility in Soil: Not determined.

12.5 Results of PBT and vPvB Assessment: Not determined.

12.6 Other Adverse Effects: No further data available.

Reference: ECHA (European Chemicals Agency). 2026. REACH Registered Substances Database.

Section 13 – Disposal Considerations

13.1 Waste Treatment Methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging is not expected to exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport.

14.1 UN Number: Not applicable

14.2 UN Proper Shipping Name: Not applicable

14.3 Transport Hazard Class(es): Not applicable

14.4 Packing Group: Not applicable

14.5 Environmental Hazards: None

14.6 Special Precautions for User: None

14.7 Maritime Transport in Bulk According to IMO Instruments: Not applicable

Section 15 – Regulatory Information

Note: The information used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

15.0 Product Registrations

- NSF International — Nonfood Compounds Registration, Certificate No. C0838274-02 (Issued February 19, 2026)
- USDA BioPreferred Program — Certified Biobased Product, 43% biobased content

15.1 United States – Federal Regulations

CERCLA: No ingredients >0.1% are subject to reporting under CERCLA.

Clean Water Act (CWA): No ingredients in this product are listed as toxic pollutants.

Clean Air Act (CAA): No ingredients in this product are listed under the CAA.

SARA 302: No ingredients in this product are subject to reporting requirements of S.302.

SARA 304 Emergency Release Notification: No ingredients in this product are subject to reporting requirements of S.304.

SARA 311/312 Hazards: None.

SARA 313: No ingredients in this product are subject to reporting requirements of S.313.

TSCA: All ingredients are listed on the non-confidential TSCA inventory or are exempt.

State Regulations

California Proposition 65: The ingredients in this product are not listed on the Proposition 65 List.

15.2 Chemical Safety Assessment

- Supporting toxicological assessment data are maintained on file.

Section 16 – Other Information

List of Acronyms and Abbreviations

ACGIH – American Conference of Governmental Industrial Hygienists	NCP – National Contingency Plan (EPA)
ATE – Acute Toxicity Estimate	NIOSH – National Institute for Occupational Safety and Health
CAA – Clean Air Act	NSF – NSF International
CAS – Chemical Abstracts Service Number	OSHA – Occupational Safety and Health Administration



CERCLA – Comprehensive Environmental Response and Liability Act	PBT – Persistent, Bioaccumulative and Toxic
CFR – Code of Federal Regulations	PEL – Permissible Exposure Limit
CWA – Clean Water Act	PPE – Personal Protective Equipment
ECHA – European Chemicals Agency	REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals
GHS – Globally Harmonized System	REL – Recommended Exposure Limit
HCS – Hazard Communication Standard	SARA – Superfund Amendment and Reauthorization Act
IARC – International Agency for Research on Cancer	SDS – Safety Data Sheet
IMO – International Maritime Organization	TLV – Threshold Limit Value
MARPOL – Maritime Pollution Convention	TRA – Toxicological Risk Assessment
EC – European Commission	TSCA – Toxic Substances Control Act
HEPA – High Efficiency Particulate Air	TWA – Time-Weighted Average
IBC – International Bulk Chemical	UN – United Nations
USDA – U.S. Department of Agriculture	VOC – Volatile Organic Compound
vPvB – very Persistent, very Bioaccumulative	

References

- ECHA (European Chemicals Agency). 2026. REACH Registered Substances Database. <https://chem.echa.europa.eu/>
- IARC. 2026. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>
- NTP. 2021. Report on Carcinogens, 15th Edition. <https://ntp.niehs.nih.gov/go/roc15>
- NSF International. Certificate No. C0838274-02 — Nonfood Compounds Registration. Issued February 19, 2026.
- USDA BioPreferred Program. Certified Biobased Product — PT-BIOSURF-001 (43% biobased).
- SGS Laboratories. 2026. Toxicological Risk Assessment — PT-BIOSURF-001.
- Houston Laboratories / Southern Petroleum Laboratories. Certificate of Analysis No. 1030-25100234-001A (2025). Methods: ASTM D-287, D-56, D-445, D-97.

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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