

BioLiner® Direct Push Liners

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **BioLiner®**
Biodegradable Clear PVC & HDPE Disposable Bailers

ESP Environmental Service Products Inc.
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Chemical Description: * Tube – PVC Poly (Vinyl Chloride) Chemical formula: $\text{CH}_2=\text{CHCl}$
or HDPE High Density Polyethylene Chemical formula: $(\text{C}_2\text{H}_4)_n\text{H}_2$

* Core Catcher (If provided) – ABS Acrylonitrile Butadiene Styrene chemical formula:
 $(\text{C}_8\text{H}_8)_x \cdot (\text{C}_4\text{H}_6)_y \cdot (\text{C}_3\text{H}_3\text{N})_z$

Chemical Family: PVC - Ethene, chloro-(homopolymer and chlorinated)
ABS - Styrenic

Product Use: Environmental Applications – Used in the process of collecting Soil

Trade Name: Bioliner® Disposable Bailers

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

The BioLiner® Liners are extruded from the type of plastics listed in Chemical Description above – PVC and ABS. These plastics are the composition of the Liners.

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SECTION 3: Physical Data

APPEARANCE: Clear (PVC)
Black (ABS) Core Catcher

ODOR: None or mild

PH As Supplied: Not Applicable - Solid

Boiling point: Not Applicable

Melting Point: 350° - 400° F

Vapor Pressure: None

Specific Gravity (H2O = 1): Clear PVC 1.33 -1.35

Flash point: 734° F

Self-Ignition Temperature: 850° F

Thermal Combustion: Testing by a third party indicates PVC has a flash point of 734° F; Self Ignition - 850° F (ASTM D1929)

Solubility: Not Applicable - Solid

Hazardous Decomposition: Hydrogen Chloride gas

Hazardous Reactions: If liner is exposed to sufficient heat, it will thermally degrade and generate hydrogen chloride gas.

SECTION 4: Reactivity Data

Stability: Stable

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Conditions to Avoid:

Exposure to high temperatures (above 350° F) can cause thermal decomposition and generation of hydrogen chloride gas.

Incompatibility: Ketones and other polar hydrocarbons

Hazardous Polymerization: Will not occur.

SECTION 5: Regulations

Permissible Exposure: Not known. If bailer is ground or cut treat as nuisance dust.

SECTION 6: HANDLING, STORAGE, PROTECTION MEASURES

Storage: Avoid storing in temperatures above 100° F to maintain Liner straightness.

Handling: Not Known

Respiratory Protection: None required

Hand Protection: None required

Eye Protection: Non required

Industrial Hygiene: None required

Fire & Explosion: Not applicable

Disposal: Use state/local guidelines to dispose of.

Extinguish Method Suitable: Product is self-extinguishing. Use water, dry chemical, or carbon dioxide on other combustibles as appropriate.

Needed Information: None Known

Medical Information: The Liner is inert in all intended uses. Dust from cutting can be removed with water.

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SECTION 7: Toxicology Information

Toxicity Data: Not Available

SECTION 8: Other Information

The information contained in this document (MSDS) is the best available to the supplier at the time of writing but is provided without a warranty of any kind. The items in this document are subject to change and clarification as more information becomes available..BioLiner® are biodegradable due to the use of an proprietary additive with a base thermoplastic of HDPE.