

BioBailer® Disposable Bailers

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BioBailer® Biodegradable Clear PVC & HDPE Disposable Bailers

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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: $(\text{C}_2\text{H}_4)_n\text{H}_2$

* Tops and valve bottom – ABS Acrylonitrile Butadiene Styrene chemical formula:
 $(\text{C}_8\text{H}_8)_x \cdot (\text{C}_4\text{H}_6)_y \cdot (\text{C}_3\text{H}_3\text{N})_z$
or HDPE High Density Polyethylene Chemical formula: $(\text{C}_2\text{H}_4)_n\text{H}_2$

* Emptying Device – HDPE High Density Polyethylene

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

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

Trade Name: BioBailer® Disposable Bailers

Note: Weights made from 300 series Stainless Steel are an optional addition to the bailer.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

The BioBailer® bailers are assembled using parts from the three types of plastics listed in Chemical Description above – HDPE, PVC and ABS. These plastics are the composition of the bailers.

BioBailer® Disposable Bailers**SECTION 3: Physical Data**

APPEARANCE:	Clear (PVC) or Translucent white (HDPE) Tube Black (ABS) or Translucent white (HDPE) Top & Bottom Valve Green HDPE Emptying Device
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 HDPE .94 - .96
Flash point:	Not Applicable
Self-Ignition Temperature:	Not Applicable
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 bailer is exposed to sufficient heat, it will thermally degrade and generate hydrogen chloride gas.

Section 3 notes:

SECTION 4: Reactivity Data

Stability: Stable

BioBailer® Disposable Bailers

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 bailer straightness, especially HDPE

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 bailer 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. BioBailer® are biodegradable due to the use of a proprietary additive with a base thermoplastic HDPE.