Material Safety Data Sheet

Section 1 – Chemical Products and Company Identification

Chemical Products: BioSolve® Pinkwater®
BioSolve® Clear

Date Prepared: 01/01/2014

Manufacturer: The BioSolve Company
329 Massachusetts Avenue
Lexington, MA 02420 USA

Emergency Phone: **(800) 225-3909** US, Canada, Mexico and Puerto Rico
+1 (781) 482-7900 All other locations

Section 2 – Composition/Information on Ingredients

BioSolve Pinkwater CAS# 138757-63-8 Formulation with nonionic surfactants
Concentration: ~32% active ingredients

BioSolve products contain no caustic, d-limonene or hydrocarbon solvents.

These products do not contain any hazardous ingredients as defined by CERCLA, Massachusetts Right to Know Law and California Prop 65. All ingredients are TSCA compliant.

Section 3 – Hazards Identification

Overview: Non-flammable, non-hazardous, water-based surfactant formulation

Appearance: Dyed: Deep red liquid
Clear: light golden liquid

Odor: Mild, pleasant odor; BioSolve NPLD has no added fragrance

Potential Health Effects

Eye Contact: May cause mild, temporary irritation and redness
Skin Contact: May cause temporary irritation, redness and drying of the skin
Inhalation: Inhalation of concentrated vapors resulting from heating or spraying in confined or poorly ventilated areas may cause irritation of nose and throat
Ingestion: May cause abdominal discomfort, nausea or diarrhea

Pre-existing skin and eye disorders may be aggravated by contact

Section 4 – First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Seek medical attention.

Skin: Rinse exposed area and wash with mild soap and water for several minutes. Seek medical attention if irritation develops.

Ingestion: Seek medical attention.

Inhalation: None considered necessary.

Other Instructions: None.

Section 5 – Fire Fighting Measures

Flash Point: Not applicable

Flammability Limits:

Lower – Not applicable

Upper – Not applicable

Special Protective Equipment for Firefighters: None necessary

Unusual Fire or Explosive Hazards: None

Solvent for Cleanup: Water

Section 6 – Accidental Release Measures

In case of accidental release, breakage or leakage: Eliminate or contain source with inert material, such as sand, earth, absorbent pads, etc. Transfer liquid to suitable containers for recovery, re-use or disposal. Wipe up or mop up using water. Hard surfaces (e.g., floors, driveways) may be slippery; use care to avoid falling.

Rinse area with water. Avoid discharging to natural streams and lakes. Note: Always check with local regulations before discharging effluent to storm drains or sewers.

Avoid prolonged contact with skin, eyes or clothing.

Section 7 – Handling and Storage

Handling: Minimize periods of exposure to extreme temperatures. Keep from freezing. If frozen, separation may occur; thaw and stir thoroughly prior to use.

Storage: Recommended storage temperature: 35° – 120° F (1° – 48° C)

Shelf Life: If unopened, more than 10 years

Section 8 – Exposure Controls / Personal Protection

Eyes/Face: Safety glasses; chemical goggles or face shield recommended when spraying to protect against backsplash and drift

Skin: Rubber or latex gloves recommended

Respiratory: None required, except if application results in significant misting of product. If so, use MSHA/NIOSH approved half mask air purifying respirator.

Footwear: No special requirements

Clothing: No special requirements; launder clothing if contaminated

Other: Eye wash station

Engineering Controls: For indoor use, normal room ventilation is expected to be satisfactory

Section 9 – Physical and Chemical Properties

Appearance: Light golden, unless dyed deep red

Odor: Mild, pleasant fragrance (except BioSolve NPLD, which has no added fragrance

Concentration: ~32% active ingredients as sold

Boiling Point	265°F/129°C	**Vapor Pressure mm/Hg**	Not applicable
Melting/Freezing Point	28°F/-2°C	**Vapor Density (Air=1)**	Not applicable
Surface Tension 6% sol'n	29 Dyne/cm @25°C	**Viscosity (concentrate)**	350 centipoise
Reactivity with Water	None	**Viscosity (6% solution)**	1.5 centipoise
Evaporation Rate	Not determined	**Solubility in Water**	Complete
Specific Gravity	1.01 gms/cc	**VOC Content**	Not determined
	8.43 lbs/U.S. gal	**pH**	9.1 +/- 0.3

Section 10 – Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	Prolonged exposure to heat may cause product degradation. Freezing conditions should also be avoided as discussed in Section 7.
Incompatible Materials:	Normally unreactive. However, avoid strong alkalis at high temperature, strong acids, strong oxidizing agents and materials with reactive hydroxyl compounds. These compounds could damage the product and reduce its effectiveness during application.
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.

Section 11 – Toxicological Information

Health Effects:	No adverse health effects expected if product handled in accordance with the Material Safety Data Sheet. See Section 3 for discussion of potential Health Effects

Section 12 – Ecological Considerations

Avoid contaminating waterways; at high concentrations, such as from undiluted concentrate, BioSolve Pinkwater will interfere with fish respiration and can be toxic to marine organisms

Aquatic Toxicity: When used as directed, at concentrations ranging from 1% to 8%, BioSolve Pinkwater has low adverse impact on aquatic organisms

Menidia beryllina: LC50 = 247 ppm @3% solution BioSolve Pinkwater
Mysidopsis bahia: LC50 = 185 ppm @3% solution BioSolve Pinkwater

Chemical Fate: Biodegradable under aerobic conditions

Section 13 - Disposal

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if disposed of in its original form. However, the intended use of this product as a remediation and/or surface washing agent may render the effluent hazardous due to the presence of emulsified or dispersed hydrocarbons and should be disposed of accordingly. Note: Always obtain approval from local and federal regulatory agencies prior to discarding this product into public sewers or storm drains.

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Section 14 – Transportation Information

USDOT Freight Class 55 (Liquid Cleaning Compound, Non-Hazardous)
This product is not regulated by USDOT or Canadian TDG when shipped domestically by land.

North American Industry Classification System (NAICS) # 325613

U.S. ITC, Harmonized Tariff Schedule B Classification: 3402.90.30.00

Section 15 – Regulatory Information

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

This product is considered non-hazardous as defined by CERCLA, according to OSHA, Massachusetts Right to Know Law and California Prop 65. BioSolve products are TSCA compliant.

Section 16 – Other Information

National Fire Protection Association Ratings

Health:	1 (Caution: May be Irritating)
Flammability:	**0**
Reactivity:	**0**
Personal Protection:	**Gloves, Safety glasses**

BioSolve Pinkwater is listed on the US EPA's NCP Product Schedule (#SW-20). This listing does not mean that EPA approves, recommends, licenses, certifies or authorizes the use of BioSolve Pinkwater on any oil discharge. This listing means only that data has been submitted to EPA as required by Subpart J of the National Contingency Plan, Section 300.915.

For more information, visit: www.biosolve.com