

HYDROSIZE[®] TECHNOLOGIES, INC.

MATERIAL SAFETY DATA SHEET

Page 1

1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: HYDROSIZE[®] U1-03

Product Family: Modified Polyurethane Emulsion

Product CAS Number: - See TSCA Status, Section 11.

Effective Date: 6/27/2001

MSDS Number: U1-03

HMIS Rating: Health = 1 Fire = 0 Reactivity = 0

HYDROSIZE[®] TECHNOLOGIES, INC., 3209 Gresham Lake Road, Suite 109, Raleigh, NC 27615

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2 INFORMATION ON HAZARDOUS COMPONENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Maximum Content</u>	<u>Exposure Limits</u>
Polymer Solids	Proprietary	50% ± 2%	None assigned
Butyl Cellosolve	111-76-2	1.5%±0.4%	25 ppm
Water	7732-18-5	48.5%± 2%	None assigned

3 PHYSICAL DATA

- ◆ Boiling Point: >212 F
- ◆ Volatile %: 47.6 – 52.4% by weight
- ◆ Evaporation Rate: Slower than n-butyl acetate
- ◆ Vapor Density: Heavier than Air
- ◆ Specific Gravity: 1.1
- ◆ Appearance: White Liquid

4 FIRE FIGHTING MEASURES

- ◆ Flammability Class: N/A
- ◆ Flash Point: N/A
- ◆ LEL: N/A
- ◆ Extinguishing Media: Water, Carbon Dioxide, or Dry Chemical
- ◆ Special Firefighting Procedures: Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus.
- ◆ Unusual Fire and Explosion Hazards: None Known
- ◆ NFPA Ratings:
 - Health: 1
 - Flammability: 0
 - Reactivity: 0
 - Specific Hazard: None

5 HEALTH HAZARD DATA

- ◆ Permissible Exposure Level: Butyl Cellosolve, 25 ppm skin, OSHA and ACGIH
- ◆ Effects of Overexposure:
 - Skin: This product may cause skin irritation or rash upon prolonged exposure or repeat contact
 - Inhalation: Short-term harmful health effects are not expected from vapor generated at ambient temperature
 - Eyes: This product may be an eye irritant.
- ◆ Primary Route(s) of Entry: Inhalation of vapors (especially if sprayed or heated)
- ◆ Toxicological Information: Knowledge of the available toxicology information and of the physical and chemical properties of this material suggests that overexposure is unlikely to aggravate existing medical conditions.

6 FIRST AID INFORMATION:

- ◆Skin: Wash with soap and water immediately. Remove contaminated clothing. Get medical attention if irritation develops or persists.
- ◆Eyes: Flush with large quantities of water for 15 minutes and seek medical attention.
- ◆Ingestion: If ingested call a physician at once
- ◆Inhalation: Remove affected individual(s) to fresh air. Seek medical attention if breathing difficulty develops

7 REACTIVITY DATA

- ◆Stability: Stable
- ◆Hazardous Polymerization: Will not occur
- ◆Incompatibility: None Known
- ◆Conditions to Avoid: Freezing
- ◆Hazardous Decomposition Products: Under severe thermal degradation low molecular weight organic compounds can be formed

8 ACCIDENTAL RELEASE MEASURES

◆Material may be coagulated with sodium chloride, which can facilitate cleaning with water. Clean up with water before allowing to dry. Wear protective equipment during cleanup. Place coagulated latex in a closed container. Once in a closed container this material and its containers would not be considered hazardous waste as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material and its containers are disposed of in an approved facility in accordance with current federal, state and local regulations. For further information contact your state or local solid waste agency or the United States Environmental Agency's RCRA hotline at (800) 424-9346 or (202) 382-3000

9 EXPOSURE CONTROLS AND PERSONAL PROTECTION

- ◆Engineering Controls: General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapors
- ◆Respiratory Protection: Not generally required during normal use and handling. Respiratory should be considered if this material is sprayed or heated in a poorly ventilated area.
- ◆Skin Protection: Chemical-resistant nitrile, neoprene or rubber gloves as needed to prevent skin contact.
- ◆Eye Protection: Wear safety glasses with side shields, goggles or a face shield.
- ◆Other Protective Equipment: Wear protective clothing as needed to prevent skin contact. Eye wash station and safety shower should be available.

10 HANDLING AND STORAGE

- ◆ Handling: Use with adequate ventilation. Avoid prolonged contact. Keep away from heat or open flame.
- ◆ Storage: Store between 5 °C (41 °F) and 35 °C (95 °F). All storage areas and containers should conform to local fire and building codes.

11 REGULATORY INFORMATION

- ◆ SARA and WHMIS Hazard Classification: This material is not categorized as a hazardous substance as defined by SARA Title III regulations (40 CFR 70). This material is categorized as Not WHMIS Hazardous
- ◆ SARA Section 313 Listed Ingredients: This material contains Butyl Cellosolve (Glycol Ether) (CAS Number 111-76-2, Upper Bound Concentration is 1.9%) which is subject to the reporting requirements of 40 CFR 372.
- ◆ DOT Shipping: This material is Not Regulated by DOT – HMR
- ◆ TSCA Status: All components of this material are listed on the US Toxic Substances Control Act (TSCA) Inventory or subject to polymer exemption status per 40 CFR 723.250
- ◆ European Inventory Status (EINECS): All components are either listed or are exempt from being listed on the EINECS chemical inventory.

12 OTHER INFORMATION

- ◆ HYDROSIZE[®] TECHNOLOGIES, INC. believes that the data contained herein is factual and is provided in good faith. However, HYDROSIZE[®] TECHNOLOGIES, INC. makes no representation as to its completeness or accuracy. Customers are encouraged to make their own determination as to the suitability of this product for their purpose prior to use. HYDROSIZE[®] TECHNOLOGIES, INC. disclaims responsibility to damages of any kind resulting from the use of this information. There are no warranties or representations, express or implied, including those of merchantability or fitness for a particular purpose with respect to this information or to the product it describes. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental or consequential damages.