

HYDROSIZE® TECHNOLOGIES, INC.

MATERIAL SAFETY DATA SHEET

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HYDROSIZE® TECHNOLOGIES, INC.
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1 PRODUCT IDENTIFICATION

Product Name: HYDROSIZE® U10-01
Product Family: Polyurethane Emulsion
Product CAS Number: - See TSCA Status, Section 15.
Effective Date: 3/02/2007
MSDS Number: U10-01

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

2 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Maximum Content</u>	<u>Symbol</u>	<u>R Phrases</u>
Polymer Solids	Proprietary	30% ± 2%	Xi	R36/38
Water	7732-18-5	70% ± 2%	None assigned	

3 HAZARDS IDENTIFICATION

- ◆ Permissible Exposure Level: There is no OSHA PEL or ACGIH TLV established for this product
- ◆ Effects of Overexposure:
 - Skin: This product may cause skin irritation or rash upon prolonged exposure or repeat contact
 - Inhalation: Excessive exposure to vapors or spray mists can cause irritation of eyes, nose and throat
 - Eyes: This product may be an eye irritant.
- ◆ Primary Route(s) of Entry: Inhalation of vapors (especially if sprayed or heated)
- ◆ Toxicological Information: This product does not contain 0.1% or more of any substance listed as a carcinogen by NTP, IARC or OSHA. 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.

4 FIRST AID MEASURES

- ◆ 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

5 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
- ◆ Hazardous Combustion Products: Irritating and toxic gases, vapors, and dusts may be generated and released during combustion.

◆ NFPA Ratings:

Health: 1
Flammability: 0
Reactivity: 0
Specific Hazard: None

6 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

7 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.

8 EXPOSURE CONTROLS / 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.

9 PHYSICAL DATA

- ◆ Color: Translucent liquid
- ◆ Solubility in Water: Soluble
- ◆ Boiling Point: >212 °F (>100°C)
- ◆ Volatile %: 68 – 72% by weight
- ◆ Evaporation Rate: Slower than n-butyl acetate
- ◆ Physical State: Liquid
- ◆ Freezing Point: 32° F (0°C)
- ◆ Vapor Density: Heavier than Air
- ◆ Specific Gravity: 1.1
- ◆ pH: 7.0 – 10.5

10 STABILITY AND REACTIVITY

- ◆ 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

11 TOXICOLOGICAL INFORMATION

Acute Eye Toxicity: none known

Acute Skin Toxicity: none known

Acute Inhalation Toxicity: none known

Acute Oral Toxicity: none known

Chronic / Carcinogenicity: This product does not contain 0.1% or more of any substance listed as a carcinogen by NTP, IARC or OSHA.

Teratology: none known

Reproduction: none known

12 ECOLOGICAL INFORMATION

Ecotoxicity: No information is available.

Environmental Fate: No information is available.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Not a RCRA hazardous waste. Disposal of this material is not regulated under RCA. Consult federal, state and local regulations to ensure that this material and its containers, if discarded, is disposed of in compliance with all regulatory requirements.

14 TRANSPORT INFORMATION

- ◆ DOT Shipping: This material is Not Regulated by DOT – HMR

15 REGULATORY INFORMATION

EU Regulations:

Contains High molecular weight polyurethane in water

Hazard Symbol:

Xi



Irritant

Risk Phrases R38; May cause skin irritation

R36; May cause eye irritation

Safety Phrases S24 – Avoid contact with skin

S37 – Wear Suitable gloves

◆ Occupational Safety and Health Act (OSHA): This material is not classified as hazardous under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200

◆ SARA Title III: Section 304 – CERCLA: This product does not contain any chemicals regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA List)

◆ SARA Title III: Section 311/312 – Hazard Communication Standard (HCS): This product is not regulated under Section 311-312 (40 CFR 370)

◆ SARA Title III: Section 313 Toxic Chemical List (TCL): This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372

◆ 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

◆ 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. The polymer portion of this product is manufactured from reactants which are listed on EINECS and meets the EINECS definition of an exempt polymer

16 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.