

# HYDROSIZE<sup>®</sup> TECHNOLOGIES, INC.

## MATERIAL SAFETY DATA SHEET

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### 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: U-NYTE<sup>®</sup> SET 201

Product Family: Solid Epoxy Based Resin

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

Effective Date: 5/26/2002

MSDS Number: 201

HMIS Rating: Health = 2      Fire = 1      Reactivity = 1

HYDROSIZE<sup>®</sup> TECHNOLOGIES, INC. 3209 Gresham Lake Road, Suite 109, Raleigh, NC 27615

Phone: (919) 873-0970

### 2 INFORMATION ON HAZARDOUS COMPONENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Maximum Content</u>	<u>Exposure Limits</u>
Modified Epoxy Resin	Proprietary	95.0%	None assigned
Dicyandiamide	461-58-5	5.0%	None assigned

### 3 PHYSICAL DATA

- ◆ Boiling Point: N/A
- ◆ Volatile %: N/A
- ◆ Evaporation Rate: N/A
- ◆ Vapor Density: N/A
- ◆ Specific Gravity: 1.18 – 1.20
- ◆ Appearance: Colorless to Straw Colored Solid

### 4 FIRE FIGHTING MEASURES

- ◆ Flammability Class: 3B
- ◆ Flash Point: >100°C
- ◆ 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: 2
  - Flammability: 1
  - Reactivity: 1
  - Specific Hazard: None

### 5 HEALTH HAZARD DATA

- ◆ Permissible Exposure Level: Nuisance dust: OSHA PEL is 15 mg/cu meter. ACGIH TLV is 10 mg/cu meter
- ◆ Effects of Overexposure:
  - Skin: This product may cause skin irritation or rash upon prolonged exposure or repeat contact
  - Inhalation: Product is not expected to cause an irritation hazard by inhalation to the nose, throat or respiratory tract because of its low volatility. If dusts are formed, product may present an irritation hazard by inhalation, as product is assumed slightly toxic. If heated, avoid breathing vapors; same guidelines as dusts prevail.
  - Eyes: This product may be an eye irritant.
- ◆ Primary Route(s) of Entry: Inhalation of dusts (especially if sprayed or heated)

**5. HEALTH HAZARD DATA (Continued)**

◆ Toxicological Information: This product does not contain 0.1% or more of any substance listed as a carcinogen by NTP, IARC or OSHA

**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. If conscious, give large amounts of water and induce vomiting.

◆ 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: Temperatures > 300°C

◆ Hazardous Decomposition Products: Under severe thermal degradation low molecular weight organic compounds can be formed

**8 ACCIDENTAL RELEASE MEASURES**

◆ Spilled or released material may be swept into approved disposal containers. Vacuum up if necessary all remaining particles / dust. 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**

◆ Exposure Guidelines: There are no exposure limits assigned to the polymer in this product by the Occupational Safety and Health Administration (OSHA) or American Conference of Governmental Industrial Hygienists (ACGIH).

◆ 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 30 °C (86 °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 categorized as acute as defined by SARA Title III regulations (40 CFR 70).
- ◆ SARA Section 313 Listed Ingredients: This material does not contain any substance 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, or excluded from listing on the US Toxic Substances Control Act (TSCA) Inventory
- ◆ 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.