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Effective Date: 1/22/10

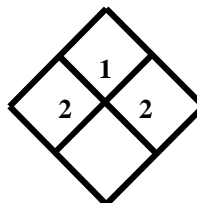
Material Safety Data Sheet

MSDS No: 63148

1. PRODUCT IDENTIFICATION

Trade Name: RenShape SL V1 US

Chemical Family: Epoxy resin and acrylate ester blend



NFPA RATING

Intended Use or Product Type: Rapid Modelling Resin

2. COMPOSITION / INFORMATION ON INGREDIENTS

| O S H A | CAS No. | CHEMICAL IDENTITY | EXPOSURE LIMITS | | | | MFR. | CARCINOGEN STATUS | | |
|------------------|-------------------------------|---|-----------------|------|------|------|------|-------------------|-----|------|
| | | | ACGIH | | OSHA | | | IARC | NTP | OSHA |
| | | | TWA | STEL | PEL | STEL | | | | |
| | Confidential Concentration | alkyl carbonate 3.00 - 7.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |
| * | Confidential Concentration | Alcohol Ether 10.00 - 30.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |
| | Confidential Concentration | Cycloaliphatic epoxy resin 30.00 - 60.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |
| | Confidential Concentration | Aliphatic glycidyl ether 10.00 - 30.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |
| | Confidential Concentration | Diacrylate esters 3.00 - 7.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |
| | Confidential Concentration | Acrylate esters 3.00 - 7.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |
| | Confidential Concentration | Antimony compound 1.00 - 5.00 % by wt | 0.5 mg/m3 | NE | NE | NE | NE | NR | NR | NR |
| | Confidential Concentration | antimony compound 1.00 - 5.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |
| * | Confidential Concentration | Photoinitiator 1.00 - 5.00 % by wt | NE | NE | NE | NE | NE | NR | NR | NR |

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: WARNING!!! Causes severe eye irritation. Causes skin irritation and possible allergic skin reaction. Harmful if inhaled. Harmful if swallowed.

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Primary Route(s) of Entry: Dermal, inhalation.

Potential Health Effects: Vapor or mist can cause irritation to the nose and throat. Liquid or vapor can cause substantial irritation to eyes. Substance can cause moderate irritation. Substance can be possibly harmful if swallowed.

Chronic: Prolonged or repeated exposure can cause allergic reaction.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Seek immediate medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Note to Physician: Allergic dermatitis or respiratory response in susceptible individuals may be delayed. It may appear after weeks or even months of frequent and prolonged contact.

Medical Conditions Aggravated by Exposure: Allergy, eczema, eye or respiratory conditions.

5. FIRE FIGHTING MEASURES

Flash Point: > 95°C (> 203 °F)
Flash Point Method Used: Closed Cup

Fire Fighting Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Fire Fighting Equipment: Use self-contained breathing apparatus and full protective clothing.

Fire and Explosion Hazards: Heat/Inhibitor depletion/Exposure to radiation/oxidizers can cause spontaneous polymerization generating heat and pressure. Sealed containers can explode. Avoid the use of a stream of water to control fire since frothing can occur.

Hazardous Combustion Products: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Evacuate the spill area. Wear protective clothing. Dike and absorb spill on inert material (sand, earth, etc.). Transfer to containers for disposal. Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before re-use. If spilled on a porous surface, ground contamination must be considered.

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7. HANDLING AND STORAGE

Signal Word: Warning !

Precautions: Avoid contact with eyes, skin, or clothing. Wear eye protection and impervious gloves when handling. Wash thoroughly after handling. Avoid breathing vapor or mist. Keep containers closed when not in use. Use only with adequate ventilation. Do not take internally.

Other Handling Information: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Do not inhale mists. Use with adequate ventilation. For industrial use only.

Storage Information: MAXIMUM 35° C. Store indoors in a cool, dry area with adequate ventilation. Store out of direct sunlight.

Additional Information: PLEASE READ TECHNICAL DATA SHEET BEFORE HANDLING THE PRODUCT. KEEP OUT OF THE REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Eye bath and safety shower should be available. Wear protective clothing.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Wear respirator (MSHA/NIOSH or approved equivalent) suitable for concentrations and type of air contaminants encountered.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: Good general mechanical ventilation and local exhaust.

Emergency Response Protection: Wear breathing apparatus (MSHA/NIOSH-approved, pressure demand, self-contained or equivalent) and full protective gear.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|--------------------------------------|
| Appearance: | Clear Liquid |
| Color: | Light Amber |
| Odor: | Slight |
| Solubility in Water: | Slight |
| Viscosity: | 180 cps at 25°C (77 °F) |
| Vapor Pressure: | < 1 mm Hg at 20°C (68 °F) |
| Specific Gravity: | 1.13 (Water =1) |
| Evaporation Rate: | < 1 (Butyl Acetate = 1) |
| Vapor Density: | > 1 (Air = 1) |
| VOC: | 12 g/L (This is an estimated value.) |

10. STABILITY AND REACTIVITY

Conditions to Avoid: Heat, direct sunlight, UV radiation, and free radical initiators

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Stability: Unstable**Incompatibility:** Strong oxidizing agents and inert gases.**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, and oxides of nitrogen.**Hazardous Polymerization:** May occur.**11. TOXICOLOGICAL INFORMATION****Acute Oral Effects (LD50):** (rats) >2000 gm/Kg (components)**Sensitization:** Skin sensitizer.**Skin Irritation:** Moderate irritant.**Eye Irritation:** Moderate - severe.**12. ECOLOGICAL INFORMATION****Biodegradability:** No information available.**Ecotoxicity:** No information available.**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method:** Incinerate liquid; landfill or incinerate contaminated diking material in accordance with local, state, and federal regulations.**14. TRANSPORT INFORMATION****DOT: Non-Bulk****Proper Shipping Name:** Not Regulated**IATA: Non-Bulk****Proper Shipping Name:** Not Regulated**IMDG: Non-Bulk****Proper Shipping Name:** Not Regulated**TDG: Non-Bulk****Proper Shipping Name:** Not Regulated**15. REGULATORY INFORMATION****US Federal Regulations:****Occupational Safety and Health Act (OSHA):** This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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SARA Title III: Section 302 - Extremely Hazardous Substances (EHS): This product contains no chemicals regulated under Section 302 as extremely hazardous substances.

SARA Title III: Section 304 - CERCLA: This product contains the following chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification ("CERCLA" List):

Chemical Name: antimony compounds
Common Name: Photoinitiator
CAS Number: confidential
Percent in Composition: 1 - 5 % by wt
Component RQ: ANTIMONY COMPOUNDS

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Immediate (acute) health hazard.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Australian Inventory Status: This product contains one or more chemicals currently not on the Australian Inventory of Chemical Substances.

Canadian Inventory Status: This product contains components which are included on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

Canadian WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2b

European Inventory Status (EINECS): This product contains one or more chemicals currently not on the European Inventory of Existing Commercial Chemical Substances (EINECS) or Pre-market notified.

Japanese Inventory Status: This product contains one or more chemicals currently not on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

State Regulations:

California Proposition 65: The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: Benzene, methyl-
Common Name: Toluene
CAS Number: 108-88-3
Percent in Composition: 0.001 - 0.004 % by wt
Comment: Warning! This chemical is known to the State of California to cause birth defects or other reproductive harm.

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Cycloaliphatic epoxy resin

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CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Aliphatic glycidyl ether
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Alcohol Ether
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Acrylate esters
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Diacrylate esters
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: alkyl carbonate
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

16. OTHER INFORMATION

MSDS No: 63148
Reason Issued: 12/09 new product
Prepared By: Matthew Austin
Approved By:
Title:

Other Information: L/M Codes: DLW/ CA23 - (D10020032) [DE5]
Material Code: SLSV1

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USER SHOULD CONSULT A LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENTAL AGENCY TO DETERMINE THE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT. HUNTSMAN DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

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