Effective Date: 10/20/99

1. PRODUCT IDENTIFICATION

Trade Name: Ren Shape (R) 440

Chemical Family: Cured Polyurethane

Synonyms:
LST 83-625

Intended Use or Product Type: Low Density Modeling Stock

2. COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredients: The components of this product are not considered to be hazardous as defined by the OSHA Hazard Communication Standard (CFR 1910.1200).

<table>
<thead>
<tr>
<th>OSHA</th>
<th>CAS No.</th>
<th>CHEMICAL IDENTITY</th>
<th>EXPOSURE LIMITS</th>
<th>CARCINOGEN STATUS</th>
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<td>TWA</td>
<td>STEL</td>
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<td>OSHA</td>
<td>PEL</td>
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<td>STEL</td>
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<td>ACGIH</td>
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<td>IARC</td>
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<td>NTP</td>
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<td>OSHA</td>
</tr>
</tbody>
</table>

NE = Not Established  NR = Not Reviewed

3. HAZARDS IDENTIFICATION

Emergency Overview: In accord with good industrial practice, handle with due care.

Primary Route(s) of Entry: Dermal or inhalation

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4. FIRST AID MEASURES

Ingestion: If conscious, give 2 - 4 glasses of water to drink. Do not induce vomiting. Call a physician.

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

Inhalation: Remove to fresh air. Call a physician.

Eyes: Immediately flush eyes with water for at least 15 minutes. Call a physician.

Overexposure Effects: Cured polyurethane resins are practically inert substances with no degree of toxicity.

Medical Conditions Aggravated by Exposure: Skin and eye conditions.

Additional Information: Referral to a physician is recommended if there is any question about the seriousness of any injury.

5. FIRE FIGHTING MEASURES

Flash Point: Not Applicable
Flammable Limits in Air (Lower - % by volume): Not established
Flammable Limits in Air (Upper - % by volume): Not established

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

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Sweep up into approved disposal container. Thoroughly vacuum area. Do not create dusty condition.

7. HANDLING AND STORAGE

Precautions: Caution! Avoid dusty conditions. Use with adequate ventilation. Avoid breathing dust. In accord with good industrial practice, handle with due care. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Other Handling Information: Nuisance dust may be generated when sanding or sawing cured material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection: Wear gloves as a standard handling procedure.

Respiratory Protection: Use NIOSH approved dust mask, if required.

Eye Protection: Wear chemical goggles to protect against dust particles.

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Engineering Controls: General mechanical and local exhaust in accordance with ACGIH recommendations.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Reddish-Brown</td>
</tr>
<tr>
<td>Physical State:</td>
<td>Solid</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>0.55 (water = 1)</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not Determined</td>
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<tr>
<td>Vapor Density:</td>
<td>Not Determined</td>
</tr>
<tr>
<td>pH:</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Percent Volatile: 0%

10. STABILITY AND REACTIVITY

Conditions to Avoid: Excessive heat for prolonged periods of time.

Stability: Stable.

Incompatibility: Strong oxidizers, acids and bases.

Hazardous Decomposition Products: Combustion may form toxic materials. Carbon monoxide, carbon dioxide, benzene, toluene, oxides of nitrogen, hydrogen cyanide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Eye Irritation: Dust due to machining may cause irritation.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT: Non-Bulk

Proper Shipping Name: Solid plastic mass, n.o.i.
Department of Transportation: Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 hazardous materials table.

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA hazard Communication Standard 29 CFR 1910.1200. This product is not considered to be a hazardous chemical under that standard.


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: Chemical components listed on TSCA Inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemicals subject to Section 12(b) export notification.

State Regulations:

California Proposition 65: The following is required composition information. This product contains the following chemicals which are listed on the California list of Known Carcinogens and reproductive Toxins.

Chemical Name: 2-PROPENENITRILE
CASRN: 107-13-1
Percent in Composition: Trace
Comment: Warning! This chemical is known to the state of California to cause Cancer.

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

Generic Name: Cured Polyurethane
CASRN: Confidential
Comment: Not on Pennsylvania Hazardous Substance List.

Chemical Name: Carbonic acid calcium salt (1:1)
CASRN: 471-34-1
Common Name: Calcium Carbonate
Comment: Not on Pennsylvania Hazardous Substance List.

Chemical Name: MOLECULAR SIEVES
CASRN: 68989-21-9
Comment: Not on Pennsylvania Hazardous Substance List.

16. OTHER INFORMATION

MSDS No: 11204
Approved By: Kenneth L. Payne
Printed: 11/3/99
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