### MATERIAL SAFETY DATA SHEET

**SECTION I - PRODUCT IDENTIFICATION**

- **PRODUCT NAME:** RUGBEE DEFOAMER
- **DATE ISSUED:** 01/25/91
- **SUPERScedes:** 06/29/90
- **MSDS SECTIONS WITH CHANGES:** NA
- **PREPARED BY:** Terry A. Meyers, Chemical Info. Adm.
- **PRODUCT CODE:** 13850-1 to 13854-1

**INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Weight %</th>
<th>Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>[SARA, PA, NJ, MA] Glycol Ether (CAS# 34590-94-8)</td>
<td>3-5</td>
<td>100 ppm ACGIH TLV-TWA, OSHA PEL</td>
</tr>
<tr>
<td>Water (CAS# 7732-18-5)</td>
<td>55-65</td>
<td>NA</td>
</tr>
<tr>
<td>Polydimethylsiloxane Emulsion (CAS# 63148-62-9)</td>
<td>30-40</td>
<td>NE</td>
</tr>
</tbody>
</table>

See Regulatory Information (Section XII) for explanation of bracketed information.

**SECTION II - INGREDIENT INFORMATION**

- **APPEARANCE/ODOR:** Viscous white liquid.
- **SPECIFIC GRAVITY (H2O=1):** 1.0
- **VAPOR PRESSURE (mm Hg):** ND
- **PERCENT VOLATILE BY VOLUME (%):** ND
- **SOLUBILITY IN WATER:** Complete
- **VAPOR DENSITY (Air=1):** ND
- **FREEZING POINT (°F):** ND
- **BOILING POINT (°F):** ND
- **pH:** ND
- **EVAPORATION RATE (Butyl Acetate=1):** ND
- **VOC (as packaged, minus H2O):** ND
- **THEORETICAL VOC (lb/gal):** ND

**SECTION IV - FIRE AND EXPLOSION INFORMATION**

- **FLASH POINT (°F) (Method Used):** above 180 (TCC)
- **FLAMMABLE LIMITS:** ND
- **EXTINGUISHING MEDIA:** Foam, CO2. Dry Chemical. Water Fog.
- **SPECIAL FIREFIGHTING PROCEDURES:** Normal fire fighting procedures may be used.
- **UNUSUAL FIRE AND EXPLOSION HAZARDS:** No special hazards known.

**SECTION V - HEALTH HAZARD DATA**

- **PRIMARY ROUTE OF ENTRY:** Skin contact.
- **SIGNS AND SYMPTOMS:** Direct contact of product with eyes can cause irritation. Direct contact of product with skin can cause irritation.
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SECTION V - HEALTH HAZARD DATA (cont.)

FIRST AID PROCEDURES: Flush eyes with water for 15 minutes. If irritation persists, seek medical aid. Wash skin with plenty of water. If irritation persists, seek medical aid. If product is swallowed, drink large amounts of water or milk, induce vomiting and seek medical aid.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:

STABILITY: Stable

STABILITY-CONDITIONS TO AVOID: None known

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to fire, produces normal products of combustion.

HAZARDOUS REACTIVITY CONDITIONS TO AVOID: Will not occur.

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: None known

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize.

USE EXPOSURE CONTROL: No special method. Observe all applicable Federal/State regulations and Local ordinances regarding disposal of non-hazardous materials. Waste from normal product use may be sewer to a public-owned treatment works (POTW) in compliance with applicable Federal, State, and Local pretreatment requirements.

SECTION VII - SPILL OR LEAK PROCEDURES

HAZARDOUS SUBSTANCES: Use good personal hygiene practices.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: No special requirements under normal use conditions.

VENTILATION: General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.

PROTECTIVE CLOTHING: No special requirements under normal use conditions. If prolonged or repeated contact is possible: Any impervious material.

PROTECTIVE GLOVES: No special requirements under normal use conditions. If prolonged or repeated contact is possible: Any impervious material.

EYE PROTECTION: Eye protection not required unless contact with undiluted product is possible.

OTHER PROTECTIVE MEASURES: Use good personal hygiene practices.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING: NA