

MATERIAL SAFETY DATA SHEET

Rosen's, Inc., P.O.Box 933, Fairmont, MN 56031

Excalibur

Updated: October 30, 2000

Date Prepared: March, 1997

General Information

Names & Synonyms: Foam Marker Concentrate

Family: Anionic Surfactant Blend

Formula: Proprietary Blend

Hazardous Classification: Non-Regulated by DOT

Motor Freight Class: N/A

Item Number: N/A

UN/NA Number: N/A

Bill of Lading Description: Adhesives, Adjuvant, Spreader Sticker

Physical Data

pH (5% Solution): 7.1

Boiling Range: N. Av.

% Volatile by Volume: 52.1

Specific Gravity: 1.022 at 25°C

Solubility in Water: Complete

Evaporation Rate (Water = 1): < 1

Appearance & Odor: Clear pale yellow

Hazardous Ingredients

Principal Hazardous Materials	Percent	OSHA/PEI
*Solvent/Surfactant Blend	90%	N/E
*Ethylene Glycol Monobutyl Ether	8%	50 ppm
*Ethyl Alcohol	2%	1,000 ppm

*Hazardous within the meaning of 29CFR 1910.1200

24 Hour Emergency Phone Number
CHEMTREC: (800)-424-9300

Material Safety Data Sheet

Excalibur

Page 2 of 3

Health Hazard Data

ACGIH Threshold Limit Value:

Carcinogen-NTP Program: NO

Carcinogen-IARC Program: NO

Primary Routes of Entry:

ACUTE INHALATION - Contains material that may be moderately toxic.

SKIN - Contains material that may be moderately toxic.

SKIN CONTACT - This product is presumed to be moderately to severely irritating.

EYE - This product is presumed to be moderately to severely irritating.

Emergency First Aid:

INHALTION - Not an expected route of exposure. If vapors of mist cause irritation or distress, remove subject to fresh air. Give oxygen or artificial respiration if needed.

EYE CONTACT - Flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.

SKIN CONTACT - Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

Particular attention should be paid to hair, nose, ears, and other areas not easily cleaned. Get medical attention.

Destroy contaminated leather goods. Effects can be delayed for 24 to 48 hours. Clean clothing before re-use.

Sara Title III, Section 313

This product contains the following toxic chemicals subject to the reporting requirements of SARA Title III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40CFR372.

CAS#	Chemical Name	Percent by Weight
N/A	Glycol Ethers	16%

Fire & Explosion Hazard Data

Flash Point (TCC) : >200° F

Flammability Limits: LEL N.Av. UEL-N.Av.

Extinguishing Media: Use carbon dioxide or dry chemicals for small fires; alcohol foam, universal foam or water spray for large fires.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective gear when entering confined areas.

Unusual Fire and Explosion Hazards: Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

Material Safety Data Sheet

Excalibur

Page 3 of 3

Reactivity Data

Stability: Stable

Conditions to Avoid: Fire and Excessive Heat

Hazardous Polymerization: Will not occur

Materials to Avoid: Strong oxidizers, strong reducing agent

Hazardous Decomposition Products: Thermal decomposition may produce carbon monoxide and carbon dioxide.

Environmental Protection

Spill Response: Absorb with inert material and collect for disposal. Flush area with water. Prevent washings from entering waterways. Spills may be reportable to the National Response Center (800-424-8802).

Waste Disposal Method: Dispose in accordance with Local, State, or Federal regulations.

Special Precautions

Handling & Storage Precautions: Avoid contact with skin or eyes. Avoid breathing vapor. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below PEL's, access and work with open containers and tanks with adequate ventilation. Contact with air may cause product degradation. Nitrogen blanket may be used to stabilize color. A hot water bath may be used to melt frozen material. Repeated exposure to ethylene oxide is a health hazard. Adequate ventilation should be maintained, and storage should be away from sources of ignition. Local exhaust ventilation is recommended over tanks and other equipment in which formaldehyde is used. Train workers thoroughly in safe handling. Storage tanks or vessels should be diked to minimize environmental contamination in the event of a leak spill or other release. Do not pressurize drum. Do not weld, cut or burn full or empty drums. Keep away from high heat sources.

Refer to drum label for specific storage and handling conditions.

Other Precautions:

NA

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.