

MATERIAL SAFETY DATA SHEET

PROMARK™

CHEMICAL EMERGENCY (SPILL, LEAK, FIRE)
CHEMTRAC (800) 424-9300

Distributed by:
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----- NFPA- -----
Health – 2 Fire – 1 Reac – 0

----- HMIS- -----
Health – 2 Fire – 1 Reac – 0 Equip - H

DOT Hazard Class: Non-regulated UN Number: N/A MATERIAL: Foam marker concentrate
DOT Shipping Name: N/A

I. COMPONENT INFORMATION

COMPONENTS	Casrn	Wt %	OSHA/PEL	ACGIH/TWA
• Solvent/Surfactant Blend	Proprietary	90	N/E	N/E
• Ethylene Glycol Monobutyl Ether	111-76-2	8	50ppm	25ppm
• Ethyl Alcohol	64-17-5	2	1000ppm	1000ppm
• Hazardous within the meaning of 29CFR 1910. 1200				

II. PHYSICAL DATA

APPEARANCE: Clear pale yellow liquid pH 7.1 (2%)
FREEZING POINT: 6 C VAPOR PRESSURE: N.Av. H2O SOLUBILITY: Complete
BOILING POINT: N.Av.. VAPOR DENSITY: N.Av. PERCENT VOLATILE: 52.1
SPECIFIC GRAVITY: 1.022 @ 25 EVAPORATION RATE: (BuAc=1) < 1 VISCOSITY: 70-80cps @ 25C

III. FIRE AND EXPLOSION HAZARD DATA

FLASH PT: >200 F A. I. TEMP: N.Av.
-- EXPLOSIVE LIMITS -- EXTINGUISHING MEDIA: Use carbon dioxide or dry chemicals for small fires;
LEL – N.AV. UEL-N.Av. 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.

IV REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Fire and Excessive Heat
INCOMPATIBILITY (Materials to avoid): Strong oxidizers, strong reducing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide and carbon dioxide.

V. HEALTH HAZARD DATA

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.

INGESTION - Contains material that may be moderately toxic.

CHRONIC

Vapor inhalation of glycol ethers, the class of which 2-butoxyethanol is a member, is reported to cause reproductive effects in animals.

VI. EMERGENCY AND FIRST AID PROCEDURES

INHALATION - Not an expected route of exposure. If vapors or 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 med. 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.

INGESTION - Do not induce vomiting or give anything by mouth. Material can enter lungs and cause severe damage. Do not leave victim unattended. Seek medical attention.

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILLS OR LEAKS

Dike spill. 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 METHODS

Dispose in accordance with Local, State, or Federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

VENTILATION

Local Exhaust - Recommended to control exposure which may result from operations generating aerosols, vapors or dusts.

RESPIRATORY PROTECTION

When exposed to aerosols or vapors, use full face NIOSH/MSHA approved organic vapor cartridge respirator with particulate pre-filter. In emergency situations, or when used in confined spaces, use self contained breathing apparatus or other air supplied full face respirator.

PROTECTIVE GLOVES

For operations where contact can occur, wear impervious gloves (Nitrite or PVC).

EYE PROTECTION

Chemical splash goggles and/or full face shield as needed

OTHER PROTECTIVE EQUIPMENT

For operations where contact can occur, wear clothing to limit skin contact A safety shower and eye wash facility should be available.

IX. TOXICITY INFORMATION

Contains materials with the following toxicities:

Oral LD₅₀ = RBTO. 3 g/kg

Inhalation (RAT) LC₅₀ = 450 ppm/4hr

Dermal LD₅₀ = RBTO.49 g/kg

Eye Irritation (RBT) - irritant

X. STORAGE AND HANDLING PROCEDURES

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.

XI REGULATORY AND ENVIRONMENTAL INFORMATION

We certify that all components of this product are listed on the TSCA inventory.

This product contains the following toxic chemicals, which have been identified by the State of California as Carcinogens or Reproductive Toxicants and which are subject to the reporting requirements of section 313 of the Superfund Amendment and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

1. 4-Dioxane. CAS# 123-91-1, 18ppm*C

Ethylene oxide, CAS# 75-21-8, 18ppm*C

GLYCOL ETHER CATEGORY, 16%S

A 'C indicates that this chemical is being reported in compliance with California's Proposition 65 law; a 'S indicates this chemical is being reported in compliance with Section 313 of SARA; a 'CS indicates that it is being reported in compliance with both the California and SARA laws.

XII ADDITIONAL INFORMATION

Contains N.J. Trade Secret #10433300009, -5211P, -5269P, -5320P, -5321P, -5349P

Common abbreviations that may have been used in this document:

N. Ap. = Not Applicable

N/E = Not Established

N/A = Not Applicable

N. Av. = Not Available

PREPARED BY:

Health, Safety and Environmental Affairs

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