# TRICARD

TRIANGLE CHEMICAL COMPANY – P.O. BOX 4528, MACON, DEORGIA 31213
CARDINAL CHEMICALS, INC. – KINSTON, NC

IN CASE OF EMERGENCY, CALL CHEMTREC
UNITED STATES: 1-800-424-9300
INTERNATIONAL: 1-202-483-7616

# MATERIAL SAFETY DATA

## 1. PRODUCT IDENTIFICATION

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|---|---|
| Product Name: | **FOAM MARKER** |
| Synonyms: | Foam Marker |
| Chemical Family: | Surfactant Blend |

## 2. HAZARDOUS INGREDIENTS

| OSHA REGULATED COMPONENT | CAS. NO | WT% | ACGIH/TLV | OSHA/PEL |
|---|---|---|---|---|
| Ethylene Glycol Mono Butyl Ether (as Glycol Ether) | 111-76-2 | 10 – 11 | TWA = 25 ppm | |
| Hexylene Glycol (as Glycol Ether) | 107-41-5 | 4.5 – 5.5 | STEL = 25 ppm | |

## 3. EFFECTS OF OVEREXPOSURE

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| Eyes: | Vapors may be irritating to the eyes. Mists, sprays and liquid forms may be moderately to severely irritating to the eyes. |
| Skin: | May cause mild irritation. |
| Inhalation: | Inhalation of vapors may cause headache and nausea. Inhalation of mists or sprays may result in non-specific irritation to the upper respiratory tract. |
| Oral: | May cause irritation to the membranes of the mouth, throat and gastrointestinal tract. Nausea, vomiting, cramps and diarrhea may occur. |

## 4. EMERGENCY FIRST AID

**Call a poison control center or doctor immediately for treatment advice.**

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| If Swallowed: | Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| If on Skin or Clothing: | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. |
| If Inhaled: | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. |
| If in Eyes: | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment. |

## 5. REACTIVITY DATA

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| Stability: | Stable. |
| Conditions to Avoid: | High temperatures. |
| Incompatibility: | None currently known. |
| Decomposition: | May produce hazardous fumes or hazardous decomposition products. |
| Hazardous Polymerization: | Will not occur |

## 6. PHYSICAL PROPERTIES

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| Appearance and Odor: | Clear yellow liquid / bland odor |
| Boiling Point: | NA |
| Vapor Pressure (mm of Hg): | NA |
| Specific Gravity : | 1.02 (+/- .05) |
| Vapor Density (Air = 1): | NA |
| % Volatile (by vol. %): | 55 |
| Evaporation Rate (Ether=1): | NA |
| Solubility in Water: | Completely soluble |

## 7. NFPA HAZARD RATING (National Fire Protection Association)

Flammability
1
Health 2 1 Instability
—
Special Hazard

| | |
|---|---|
| Health: | Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. |
| Flammability: | Must be preheated before ignition can occur. |
| Instability: | Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently. |

## 8. FIRE AND EXPLOSION HAZARD INFORMATION

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| Flashpoint: | >212°F |
| Flammable Limits: | Not Available |
| Extinguishing Media: | Foam, dry chemical, water spray, or carbon dioxide. |
| Fire Fighting Procedures: | Remove unprotected personnel from hazard area. Wear protective clothing. Emergency personnel should be equipped with NIOSH approved SCBA with full face piece. Cool exposed containers with water. |
| Unusual Fire Hazard: | Heating may cause pressure buildup and possible rupture of the container. |

## 9. SPECIAL PRECAUTIONS

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| Handling and Storage: | Do not get in eyes, on skin or clothing. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Soiled clothing should be removed and laundered before reuse. Store below 120°F. |
| Other Precautions: | Keep liquid and vapors away from heat, sparks, and flames. Prevent contact with contaminated clothing. Keep out of reach of children. If freezing occurs, thaw at room temperature. Roll drum frequently to assure homogeneity. |

## 10. SPECIAL PROTECTION INFORMATION

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| Respiratory Protection: | Self-contained breathing apparatus in high concentrations. Normally not required. |
| Ventilation: | General (mechanical) room ventilation is expected to be satisfactory. |
| Protective Gloves: | Butyl or neoprene rubber. |
| Eye Protection: | Monogoggles. |
| Other Protection: | Synthetic apron. Eye wash station. |

## 11. SPILL OR LEAK PROCEDURES

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| Spills or Releases: | Small Spills: Absorb liquid with absorbent material.<br>Large Spills: Stop spill at source. Dike area of the spill to prevent spreading. Pump liquids into waste containers. Remaining liquids can be absorbed. |
| Waste & Container Disposal: | Do not contaminate water, food or feed by storage or disposal. Incinerate or landfill where permitted under appropriate state, federal and local regulations. |
| Container Disposal: | Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations. |

## 12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

| Sara regulated compounds | CAS NO. | % Wt. | TLV OR PEL (current ACGIH limit) |
|---|---|---|---|
| Ethylene Glycol Mono Butyl Ether (as Glycol Ether) Hexylene Glycol (as Glycol Ether) | 111-76-2<br>107-41-5 | 10 – 11<br>4.5 – 5.5 | TWA = 25 ppm<br>STEL = 25 ppm |

The recommendation for safe handling and protection procedures are believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.