



Material Safety Data Sheet

The Toro Company
8111 Lyndale Ave S
Bloomington, MN 55420

Revision Date:

Issue Date:

Product Identification

Product Name:	Foam Marker (Pro-Foam)	Parts Number:
Product type:	Detergent	41157
MSDS #		
Emergency Contact:	Chemtrec : 1-800-424-9300	
Contact Number:	1-952-888-8801	

Chemical Components April 1, 2003

Chemical	CAS #	%	ACGIH TLV	OSHA PEL	Other
2-Butoxyethanol	111-76-2	None given	25 ppm	40 pm	
Palmitic Betaine	693-33-4	None given	N/A	N/A	
Alkyl Olefin Sulfonate, Sodium	68439-57-6	None given	N/A	N/A	

Physical and Chemical Properties

Characteristics		Physical Properties		Hazards Description	Physical Dangers
Physical State	liquid	Vapor pressure	0.6 mm Hg		
Color	Clear amber	pH	7-9		
Odor		Boiling point/range:	212+ F		
		Melting point/range:			
		Specific gravity	1.01		

HMIS Rating		Vapor density	>1		
Health:	1	Evaporation rate	<1		
Flammability:	1	Solubility in water	100%		
Physical Hazard:	0	VOC content:	75%+		
		Flash Point	143		
		Additional Properties			

Health Hazards

Major Routes of Exposure:	Ingredients Considered Hazardous to Health	Potential Health Effects:
Inhalation		Inhalation. A burning sensation. Chronic exposure can lead to chemical pneumonia.
Skin X		Skin contact Defatting to the skin. Prolonged or repeated exposure can cause irritation or dermatitis
Ingestion		Eye contact: May be irritating to the eyes and cause swelling or burning as well as redness and irritation
Eye		Ingestion: May cause vomiting, nausea and abdominal pain.

First Aid Measures	Personal Protection
<p>Skin: Wash with soap and water. If irritation persists, consult a physician</p> <p>Eyes: Flush with plenty of water for at least 15 minutes.:</p> <p>Inhalation: Move victim to fresh air. Seek medical attention.</p> <p>Ingestion: Consume as much water as possible. Seek medical attention</p>	<p>Respiratory Protection: No special protection</p> <p>Ventilation: Use outdoors only</p> <p>Protective Gloves: Rubber or plastic</p> <p>Protect Other: Neoprene apron</p> <p>Protect eyes: Chemical goggles or face shield</p>

Fire and Explosion Hazards

Extinguishing Media	Special Fire Fighting Procedures	Unusual Fire and Explosion Hazards
Dry chemical, water spray or CO2		None known Stability: Stable Hazardous Polymerization: Will not occur HazDecompProd CO2, CO, and oxides of carbon and nitrogen

Handling and Storage

Accidental Release /Spill Measures to Take	Precautions for Storage	Handling
Mop up or otherwise absorb and hold for disposal	Store between 40 and 120F and away from incompatible materials. Do not get in eyes, on skin, or clothing. Incompatibility: Strong acids and oxidizing compounds	

Disposal/Transportation

Disposal Method	Transportation
Any method in accordance with applicable law	

Regulations

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Toxicology Information

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Ecological Information

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