



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Flottec F150 Frother
CHEMICAL FAMILY:	Mixed polyglycols
SYNONYMS:	None
MOLECULAR FORMULA:	Mixture
MOLECULAR WEIGHT:	Mixture
MANUFACTURER:	Kemtec Pty Ltd, Suite 131/15 Hall St, Port Melbourne VIC 3207
PRODUCT INFORMATION:	Tel: +613 9646 3833 • Fax: +613 9646 3933
EMERGENCY PHONE:	INFOSAFE 1800 638 556 (all hours)
ISSUE DATE:	November 30, 2014

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS

COMPONENT	CAS No.	% (w/w)	OSHA (PEL)	ACGIH (TLV)	Carcinogen
No Permissible Exposure Limits (PEL/TLV) have been established by OSHA or ACGIH					

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR

Color: Light to dark straw
Appearance: Heavy liquid
Odor: Typical polyglycol odor

STATEMENT OF HAZARD

WARNING! CAUSES EYE BURNS AND SKIN IRRITATION

POTENTIAL HEALTH EFFECTS

EFFECTS / ROUTES OF EXPOSURE

The acute oral (rat) LD50 and acute dermal (rabbit) LD50 values for this material are estimated to be >2000 mg/kg and >2000 mg/kg, respectively. Direct contact with this material may cause mild eye and skin irritation. Refer to Section 11 for toxicology information on the regulated components of this product.

4. FIRST AID MEASURES

INGESTION:	If swallowed, call a physician immediately. ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.
SKIN CONTACT:	Remove contaminated clothing without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering.
EYES CONTACT:	Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent symptoms
INHALATION:	Material is not expected to be harmful if inhaled. If inhaled, remove to fresh air.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS

Extinguishing Media

Use water spray, alcohol foam, carbon dioxide or dry chemical to extinguish fires. Water stream may be ineffective.

Protective Equipment

Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See MSDS Section 8 (Exposure Controls/Personal Protection).

Special Hazards

Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Where exposure level is known, wear approved respirator suitable for level of exposure. Where exposure level is not known, wear approved, positive pressure, self-contained respirator. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear a two piece PVC suit with hood or PVC overalls with hood.

METHODS FOR CLEAN UP

Remove sources of ignition. Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

ENVIRONMENTAL PRECAUTIONS

Dispose of in accordance with EPA rules and regulations.

7. HANDLING AND STORAGE

HANDLING

Precautionary Measures

Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Wash thoroughly after handling.

Special Handling Statements

None

STORAGE

None, although areas containing this material should have fire safe practices and electrical equipment in accordance with applicable regulations and/or guidelines.

Storage Temperature: Room Temperature

Reason: Integrity

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING MEASURES

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

PERSONAL PROTECTIVE EQUIPMENT

EYES PROTECTION: Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.

SKIN PROTECTION: Avoid skin contact. Wear impermeable gloves and suitable protective clothing. Since this product is absorbed through the skin, care must be taken to prevent skin contact and contamination of clothing.

RESPIRATORY PROTECTION: Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

ADDITIONAL ADVICE

Food, beverage and tobacco products should not be carried, stored or consumed where this material is used. Before eating, drinking, or smoking, wash face and hands with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR:	Light to dark straw
APPEARANCE:	Heavy liquid
ODOR:	Typical polyglycol odor
BOILING POINT:	Not available
MELTING POINT:	-35°F; (-37°C)
VAPOR PRESSURE:	0.38 psia
SPECIFIC GRAVITY:	1.01 @ 25°C
VAPOR DENSITY:	>1 (air = 1)
% VOLATILE (BY WT.):	Not available
pH:	7.0 – 10.0; (5% aqueous solution)
SATURATION IN AIR (% by Vol):	Not applicable
EVAPORATION RATE:	Not applicable
SOLUBILITY IN WATER:	Complete
VOLATILE ORGANIC CONTENT:	Not available
FLASH POINT:	>200°F (93°C) MPCC
FLAMMABLE LIMITS (% BY VOL.):	Not available
AUTOIGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
PARTIAL COEFFICIENT (n-octanol/water):	Not available
ODOR TRESHOLD:	See Section 2 for exposure limits

10. STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	None known
POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None known
MATERIAL TO AVOID:	Avoid contact with oxidizers, unintended contact with isocyanates due to heat liberation, and strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide; carbon monoxide; aldehydes; ketones; organic acids

11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under SECTION 3: HAZARDS IDENTIFICATION

Toxicological information on the regulated components of this product is as follows:

This product contains no OSHA regulated (hazardous) components

12. ECOLOGICAL INFORMATION

This product is not classified as dangerous for the environment and is readily biodegradable.

13. DISPOSAL CONSIDERATIONS

RECOMMENDATIONS FOR THE PRODUCT: Dispose of product in accordance with local, state, and federal laws and regulations. Do not contaminate any lakes, streams, ponds, ground water or soil.

RECOMMENDATIONS FOR PACKAGING: DO NOT PRESSURIZE, CUT, WELD, BRAZE, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed of.

RECOMMENDED CLEANSING AGENT: Water

14. TRANSPORTATION INFORMATION

This section provides basic shipping classification information.
 Refer to appropriate transportation regulations for specific requirements.

U.S. DOT			
PROPER SHIPPING NAME:	NOT APPLICABLE / NOT REGULATED		
HAZARD CLASS	Not Applicable		
PACKING GROUP:	Not applicable		
UN/ID NUMBER:	Not applicable		
TRANSPORT LABEL REQUIRED:	NONE REQUIRED		
TECHNICAL NAME (N.O.S.):	Not applicable		
HAZARDOUS SUBSTANCE:	Not applicable		
COMMENTS:	-		
TRANSPORT CANADA			
PROPER SHIPPING NAME:	NOT APPLICABLE / NOT REGULATED		
HAZARD CLASS	Not Applicable		
PACKING GROUP:	Not applicable		
UN/ID NUMBER:	Not applicable		
TRANSPORT LABEL REQUIRED:	NONE REQUIRED		
TECHNICAL NAME (N.O.S.):	Not applicable		
ICAO/IATA			
PROPER SHIPPING NAME:	NOT APPLICABLE/NOT REGULATED		
HAZARD CLASS:	Not applicable		
PACKING GROUP:	Not applicable		
UN NUMBER:	Not applicable		
TRANSPORT LABEL REQUIRED:	NONE REQUIRED		
PACKING INSTRUCTIONS/ MAXIMUM NET QUANTITY:	PASSENGER AIRCRAFT	-	-
	CARGO AIRCRAFT	-	-
TECHNICAL NAME (N.O.S.):	Not applicable		
IMO			
PROPER SHIPPING NAME:	NOT APPLICABLE/NOT REGULATED		
HAZARD CLASS:	Not applicable		
UN NUMBER:	Not applicable		
PACKING GROUP:	Not applicable		
TRANSPORT LABEL REQUIRED:	NONE REQUIRED		
TECHNICAL NAME (N.O.S.):	Not applicable		

15. REGULATORY INFORMATION

INVENTORY INFORMATION

United States (USA):	All components of this product are included on the TSCA Inventory in compliance with the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq.
Canada:	Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.
European Union (EU):	All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or the "No Longer Polymer" list in compliance with Council Directive 67/548/EEC and its amendments.

OTHER ENVIRONMENTAL INFORMATION

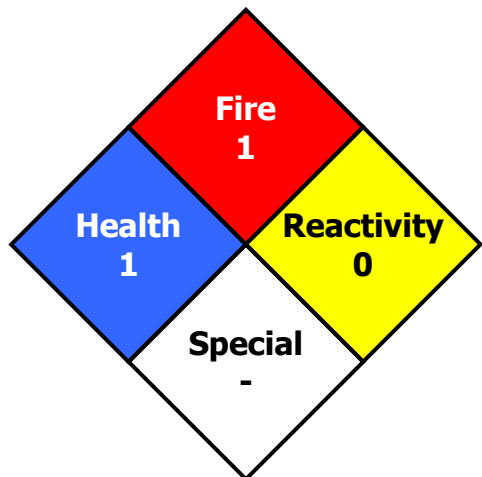
The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

Component	CAS NO.	% (w/w)	TPQ (lbs)	RQ (lbs)	S313	TSCA 12B
This product does not contain any components regulated under these sections of the EPA						

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA

Not applicable under SARA TITLE III

16. OTHER INFORMATION



NFPA HAZARD RATING (National Fire Protection Association)

- FIRE:** Materials that, under emergency conditions, can cause significant irritation.
- HEALTH:** Materials that must be preheated before ignition can occur.
- REACTIVITY:** Materials that in themselves are normally stable, even under fire exposure conditions.

REASON FOR REVISION: Change of Emergency Contact Information

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IMPORTANT: The above information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warrant, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular uses.