

MATERIAL SAFETY DATA SHEET

ISSUE DATE: 12/01/07

VULCAN 3% AFFF AQUEOUS FILM FORMING FOAM

SECTION I - PRODUCT AND COMPANY IDENTIFICATION:

TRADE NAME:	VULCAN 3% AFFF		
MANUFACTURER:	Fire Foam Services, a division of Chemical Exports of Louisiana, LLC P. O. Box 60367 LAFAYETTE, LA 70596		
EMERGENCY PHONE NUMBERS:	Transportation Emergency (24 hrs):	(800) 255-3924	
	MSDS and Product Information (8am-5pm CST):	(337) 233-7155	

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS:

		CAS #	EXPOSURE LIMITS
PART A:	HAZARDOUS INGREDIENTS: None	N/A	N/A
PART B:	OTHER INGREDIENTS: A proprietary mixture of surfactants, glycol ethers and water	N/A	N/A

SECTION III - HAZARDS IDENTIFICATION:

EYE : May cause slight irritation.
SKIN: Prolonged exposure may cause slight irritation.
INGESTION: Swallowing large quantities may cause irritation of the digestive tract.
INHALATION: No adverse effects anticipated during proper industrial handling.
CARCINOGENICITY: None of the ingredients in this product are listed as a carcinogen by NTP, IARC or OSHA.

SECTION IV - FIRST AID MEASURES:

EYES: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
SKIN: Wash with large quantities of water. If irritation persists, seek medical attention. If clothing is contaminated, remove and wash before reuse.
INHALATION: If breathing difficulties are noticed, remove to fresh air and seek medical attention.
INGESTION: If swallowed, do not induce vomiting. Give one or two glasses of water to drink and seek medical attention.

MATERIAL SAFETY DATA SHEET

VULCAN 3% AFFF AQUEOUS FILM FORMING FOAM

SECTION V - FIREFIGHTING MEASURES:

EXTINGUISHING MEDIA: Product is an extinguishing media. Use media appropriate for surrounding materials.
SPECIAL FIRE FIGHTING PROCEDURES: None required.

SECTION VI - ACCIDENTAL RELEASE MEASURES:

CLEAN-UP PROCEDURES: Use appropriate protective equipment during clean up. For small spills, absorb liquid with inert material such as dry sand, earth, vermiculite or other suitable absorbent material. Sweep up material and place in approved disposal container. Flush area with water until it no longer foams. Exercise caution as slippery conditions may result. For large spills, contain and collect liquid and place in approved disposal container. Prevent discharge of concentrate to waterways. Follow all federal, state and local regulations. Confer with the appropriate regulatory agency for specific instructions.

SECTION VII - HANDLING AND STORAGE:

HANDLING: Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Keep container tightly closed when not in use. Avoid contamination of product. Ensure that the containers are properly secured before moving.

STORAGE: Recommended storage temperature is between 35°F (2°C) to 120°F (49°C). Store product in original shipping container or tanks designed for product storage. Product performance is not affected by freezing. Thaw product and provide simple agitation if frozen. Empty containers may contain product residue and should not be reused.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION:

ENGINEERING CONTROLS: No special ventilation requirements. It is recommended that facilities storing or utilizing this material be equipped with an eyewash facility and safety shower.

RESPIRATORY PROTECTION: None required during proper industrial use.

EYE PROTECTION: Chemical goggles are recommended when possibility exists for eye contact.

SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or frequently repeated contact should occur, use appropriate protective equipment. Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation.

MATERIAL SAFETY DATA SHEET

VULCAN 3% AFFF AQUEOUS FILM FORMING FOAM

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Clear light yellow color liquid

ODOR: Mild odor

PH: 7.58 – 8.08

SPECIFIC GRAVITY: 1.02 @ 60°F

SOLUBILITY IN WATER: 100%

BOILING POINT: Not available

FREEZING POINT: Less than 32°F

SECTION X - STABILITY AND REACTIVITY:

STABILITY: Stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with water reactive materials, burning metals and electrically energized equipment.

HAZARDOUS DECOMPOSITION PRODUCTS: None suspected, identified or known.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION:

ACUTE ORAL TOXICITY: Acute toxicity via the oral route of administration is expected to be low.

ACUTE DERMAL TOXICITY: Acute toxicity via the dermal route of exposure is expected to be low.

SECTION XII - ECOLOGICAL INFORMATION:

ECOTOXICOLOGICAL INFORMATION: No data available.

ENVIRONMENTAL FATE: This product is considered to be biodegradable and would not be likely to bioaccumulate. Product in diluted form presents minimal environmental impact.

SECTION XIII - DISPOSAL CONSIDERATIONS:

DISPOSAL INFORMATION: Avoid large discharges of concentrate into waterways. An evaluation of your specific situation should be based upon the factors and conditions involved. Dispose of in accordance with all applicable local, state and federal regulations. Consult with the appropriate regulatory authorities.

SECTION XIV - TRANSPORTATION INFORMATION:

DOT SHIPPING NAME: Not Regulated

UN/NA NUMBER: None

DOT HAZARD CLASS: None

DOT PACKAGING GROUP: None

MATERIAL SAFETY DATA SHEET

VULCAN 3% AFFF AQUEOUS FILM FORMING FOAM

SECTION XV - REGULATORY INFORMATION:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components of this product are listed in the TSCA inventory.

OSHA HAZARD COMMUNICATION RULE: Not hazardous under the criteria of Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III:

Section 302/304: There are no components of this material, which are on the Extremely Hazardous Substances (EHS) list.

Section 311 & 312:

Fire Hazard:	NO
Reactive Hazard:	NO
Release of Pressure:	NO
Acute Health Hazard:	YES
Chronic Health Hazard:	NO

Section 313: This product does not contain any chemical components subject to Section 313 reporting requirements.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA): This product does not contain any chemical components subject to the reporting requirements of CERCLA.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA): Not a hazardous waste under the criteria of RCRA.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals currently known to the State of California to cause cancer or reproductive toxicity.

SECTION XVI - OTHER INFORMATION:

HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: B

REVISIONS:

Date Issued: 12/01/07

IMPORTANT NOTICE: This Material Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). To the best of our knowledge, the information contained herein is true and accurate. The manufacturer warrants that this product conforms to the technical specifications provided that this product is maintained in its original container and stored as indicated in the instructions for use. The manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental, or consequential, arising out of the use or the inability to use the product.