

000036

MATERIAL SAFETY DATA SHEET

AMEREX CORPORATION
 POST OFFICE BOX 81
 TRUSSVILLE, ALABAMA 35173-0081

DATE PREPARED: 1/15/87SUPERCEDES: 11/1/85

RESPONSIBLE PERSONS: D. EMERICH OR D. ELLISON
 TELEPHONE: (205)655-3271

IDENTIFICATION

PRODUCT NAME: ~~AFFF LIQUID FOAM CONCENTRATE~~

SYNONYMS: Aqueous Film-Forming Foam, Amerex Model 502 Charge

HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	OSHA PEL	ACGIH TLV
Butyl Carbitol	112-34-5	NA	NA
Fluoroalkyl Surfactants	Mixture	NA	NA
Benzotriazole	97-14-7	NA	NA
Dye	NA	NA	NA

OTHER INGREDIENTS

MATERIAL	CAS NO.
Synthetic Detergents	Mixture

PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT (°F): 212	SPECIFIC GRAVITY (H ₂ O=1): 1.03	VAPOR PRESSURE (MM HG): NA
PERCENT VOLATILE (%): NA	VAPOR DENSITY (AIR = 1): .62	EVAPORATION RATE: Slight
SOLUBILITY IN WATER: Miscible	REACTIVITY IN WATER: NA	MELTING POINT (°F): NA
pH: 8.0	APPEARANCE & ODOR: Blue-green liquid - mild pleasant odor.	
FLASH POINT(°F): None	AUTO IGNITION TEMPERATURE(°F): NA	FLAMMABLE LIMITS IN AIR BY VOL.: NA
EXTINGUISHER MEDIA: None. This material is an extinguishing agent.		
SPECIAL FIRE FIGHTING PROCEDURES: NA		
UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic by-products including hydrogen fluoride may be found.		

PHYSICAL HAZARDS

STABILITY: Stable	CONDITIONS TO AVOID: NA
INCOMPATIBILITY (MATERIALS TO AVOID): None known	
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce toxic materials including trace amounts of hydrogen fluoride.	
HAZARDOUS POLYMERIZATION: Will not occur	
CONDITIONS TO AVOID: NA	

HEALTH EFFECTS AND FIRST AID

EFFECTS OF ACUTE OVEREXPOSURE FOR PRODUCT:

EYES: Moderate irritant.

SKIN: Slight irritant, may defat.

BREATHING: No hazard expected.

SWALLOWING: Practically non-toxic orally. May cause diarrhea.

FIRST AID:

IF IN EYES: Flush with water for 15 minutes. If irritation persists, seek medical attention.

IF ON SKIN: Wash with soap and water. Apply hand cream to restore oils to skin.

IF BREATHED: Remove victim to fresh air.

IF SWALLOWED: Give two glasses of water. Seek medical attention.

PRIMARY ROUTES OF ENTRY:

Eyes, Skin Contact, Breathing

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known

EFFECTS OF CHRONIC OVEREXPOSURE FOR PRODUCT:

None known

PRODUCT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM	[] YES [X] NO	IARC MONOGRAPHS	[] YES [X] NO	OSHA	[] YES [X] NO
-----------------------------	-------------------	-----------------	-------------------	------	-------------------

CONTROL MEASURES AND PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION (TYPE):
Not usually required.

VENTILATION: GENERAL AREA: Recommended
LOCAL EXHAUST: Recommended

SKIN PROTECTION:

Protective Gloves

EYE PROTECTION:

Safety Glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
None required.

WORK/HYGIENE PRACTICES:

Use good personal hygiene and good housekeeping practices.

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in original container. Protect from freezing.

OTHER PRECAUTIONS:

NA

STEPS TO BE TAKEN IN CASE PRODUCT IS RELEASED OR SPILLED:

Collect spilled material. Dispose of in accordance with local, state, and federal regulations.

HMIS RATINGS:

HEALTH 1
FLAMMABILITY 0
REACTIVITY 0

HMIS HAZARD	INDEX
MINIMAL	0
SLIGHT	1
MODERATE	2
SERIOUS	3
SEVERE	4