

000039

## M A T E R I A L   S A F E T Y   D A T A   S H E E T

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: ~~FFFP LIQUID FOAM CONCENTRATE~~

SYNONYMS: Alcoseal <sup>®</sup> 3-6%; Protein Hydrolysate; Film-Forming  
 Fluoroprotein Foam, Alcohol Resistant Film-Forming  
 Fluoroprotein Foam  
 Amerex Model 504 Charge  
 Amerex Model 534 Charge

## HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	OSHA PEL	ACGIH TLV
Hexylene Glycol Mixture of Hydrolyzed Protein, Surface Active Agents, & Inorganic Salts in Water	107-41-5 Mixture	Not Established NA	25 PPM NA

## OTHER INGREDIENTS

MATERIAL	CAS NO.
None	

<sup>®</sup> "Alcoseal" is a registered trademark of Angus Fire Armour Limited.

PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT (°F): No Data	SPECIFIC GRAVITY (H <sub>2</sub> O=1): 1.09	VAPOR PRESSURE (MM HG): No Data
PERCENT VOLATILE (%): 35	VAPOR DENSITY (AIR = 1): Not Measured	EVAPORATION RATE: No Data
SOLUBILITY IN WATER: 100%	REACTIVITY IN WATER: NA	MELTING POINT (°F): 19
pH: NA	APPEARANCE & ODOR: Dark brown viscous liquid, strong animal odor	
FLASH POINT(°F): NA	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: None		
UNUSUAL FIRE AND EXPLOSION HAZARDS: None		

PHYSICAL HAZARDS

STABILITY: Stable	CONDITIONS TO AVOID: NA
INCOMPATIBILITY (MATERIALS TO AVOID): NA	
HAZARDOUS DECOMPOSITION PRODUCTS: None known	
HAZARDOUS POLYMERIZATION: Will not occur	
CONDITIONS TO AVOID: NA	

HEALTH EFFECTS AND FIRST AID

EFFECTS OF ACUTE OVEREXPOSURE FOR PRODUCT:

EYES: Irritant.

SKIN: Irritant.

BREATHING: Irritant.

SWALLOWING: Irritant.

FIRST AID:

IF IN EYES: Flush with water for 15 minutes. Seek medical attention.

IF ON SKIN: Wash off with soap and large quantity of water.

IF BREATHED: Remove victim to fresh air.

IF SWALLOWED: Induce vomiting and seek medical attention.

PRIMARY ROUTES OF ENTRY:

Eyes, Skin Contact, Breathing, Swallowing

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 [ ] YES  
PROGRAM [X] NO

IARC [ ] YES  
MONOGRAPHS [X] NO

OSHA [ ] YES  
[X] NO

**CONTROL MEASURES AND PROTECTIVE EQUIPMENT**

RESPIRATORY PROTECTION (TYPE):  
Not normally required.

VENTILATION: GENERAL AREA: Recommended  
LOCAL EXHAUST: Recommended

SKIN PROTECTION:  
Rubber 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 at 25°F to 120°F. Use original container.

OTHER PRECAUTIONS:

None

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

If regulations permit, flush to sewer at 0.5% concentration. Product is biodegradable. For large spills absorb with inert 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