

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION: **FIRETECH ALCOHOL RESISTANT AQUEOUS FILM FORMING FOAM - 3x3% (AR- AFFF)**

APPLICATION AND USE: Fire Fighting Foam Concentrate

Common Name	AR AFFF - 3x3
CAS No.	N/A
Chemical Name	N/A This is a Mixture
Chemical Family	Mixture
Formula	N/A
Update as on	1 st January, 2020

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Synonyms	Concentration %	Health Class	CAS-NO.
Hexylene glycol	1,2-Hexanediol	5-15	R36,38	107-41-5
Hydrocarbon surfactants		<5	R41,38	
Fluorosurfactants		1-5	R36,37,38	
Polymer		<5		11138-66-2
Water		Balance		

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical state	Liquid
pH at 20°C	6.5-8.5
Specific Gravity	1.0-1.1
Odor	Organic
Flammability	Not flammable
Solubility	Miscible with water in all proportions
Viscosity at 20°C	Shear thinning

FIRETECH EQUIPMENT & SYSTEMS PVT. LTD.

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SECTION 4 - STABILITY AND REACTIVITY HAZARDS

Generally, stable. As with all aqueous solutions FIRETECH AR-AFFF 3 X 3% should be excluded from contact with any materials which have violent reactions with water.

SECTION 5 - HAZARDS DATA

Stability	Stable
Conditions to avoid	N/A
Incompatibility	Reactive metals, electrically energized equipment, any material reactive with water
Hazardous	None

SECTION 6 - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with large amounts of water, if irritation persists seek medical attention.

SKIN CONTACT: Wash with soap and water; if irritation persists seek medical attention.

INHALATION: Remove victim to fresh air, seek medical attention if discomfort persists.

INGESTION: If patient is conscious, given large amounts of water and induce vomiting, seek medical help.

SECTION 7 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not normally necessary
Local Exhaust	N/A
Mechanical (General)	Recommended
Protective Gloves	Rubber or latex gloves recommended

SECTION 8 - SPECIAL PRECAUTIONS AND SPILL AND/OR LEAK PROCEDURES

Precautions to be taken in Handling and storage	Store in original container: Note compatibility information in section-4
Other Precautions	Do not mix agents. Avoid skin and eye contact. Avoid ingestion
Step to be taken in case material is spilled or released	Rinse floor thoroughly as material is very slippery

SECTION 9 - FIRE FIGHTING MEASURES

Fire fighting measures are not applicable as Alcohol Resistance Aqueous Film Forming Foam 3 X 3% extinguishing medium. If product containers are involved in fire, then a suitable extinguishing agent should be applied.

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SECTION 10 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin, eyes and clothing. Do not breathe mists, aerosols.

PERSONAL PROTECTION: Wear protective clothing specified for normal operations.

CLEAN-UP METHODS: Small absorb or contain liquid with sand, earth or spill control material. Shovel up spillage and place in a labeled, sealable container for subsequent safe disposal.

SECTION 11 - HANDLING

No special handling techniques required.

SECTION 12 - STORAGE

For best results, the product should be stored in sealed, original containers above 0°C and below 40°C.

SECTION 13 - ECOLOGICAL INFORMATION

This has been deduced from data for a similar product. Actual values could well be different.

- Presumed to be non-toxic in normal use.
- PERSISTENCE/DEGRADABILITY: Biodegradable.
- BIOACCUMULATION: Bioaccumulation is unlikely to occur due to metabolism and excretion.

SECTION 14 - BIODEGRADATION

BIODEGRADABLE: No direct data available

SEWAGE TREATMENT: Data not available.

SECTION 15 - TRANSPORT INFORMATION

Label for conveyance: No transport warning sign required.

Not Regulated / Non Hazardous as per current rules and regulation of IATA &/ Sea Transport Mode.

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