



MATERIAL SAFETY DATA SHEET (MSDS)
FOAMER BRAND HIGH EXPANSION FOAM CONCENTRATE

SECTION 1: PRODUCT & COMPANY IDENTIFICATION:

Trade Name/Product identification	Foamer Brand High Expansion Foam
Application & Use	Fire Extinguishing Foam concentrate
Manufacturer Address	FOAMTECH ANTIFIRE COMPANY Office:57, Sharda Niketan, Pitam Pura, New Delhi-110034 Telefax:011-27021950,Ph.27026153 Emergency Contact: 9810266284) Works: Plot No.18,Sector 1B ,SIDCUL ,BHEL Complex,Haridwar (Uttarakhand) Tel ,: 01334-235431 Email-foamtechantifire@yahoo.com . Website : www.foamtechantifire.com
Product Description	Mixture of hydrocarbon surfactants, fluoro surfactants & solvents

SECTION 2: INGREDIENT - COMPOSITION INFORMATION:

MAJOR INGREDIENTS	CONCENTRATION %	CAS.No.	HEALTH CLASS
1. Hydrocarbon Foaming Agent	10-25	N/A	Xi R 36, 37, 38
2. Solvent	5-10	N/A	--
4. Water	QS	7732-18-5	--

SECTION 3: HAZARD IDENTIFICATION:

Flammability		Corrosive Material	Little corrosive to metal likes MS, Bronze, Aluminum
LEL %v	N/A	Organic Peroxide	No
UEL %v	N/A	Auto-ignition	N/A
TDG Flammability	N/A	Temperature °C	
Explosion Sensitivity to impact	None	Hazardous Polymerization	Will not occur
Flammable Material	No	Explosive Material	No
Oxidizer	No	Pyrophoric Material	No
Flash Point	>98°C	Others	N/A
Explosion Sensitivity to static Electricity	None		
Combustible Liquid	No		
Hazardous Combustion Products: Not known. However oxides of carbon, nitrogen and sulfur may be formed during use for extinction of fire.			
NFPA Hazard Signals	Health 1	Flammability 0	Stability 0 Special N/A

EMERGENCY OVERVIEW:

Fire Extinguishing Media	FIRE Material is itself a fire extinguishing agent
Special Procedures	None
Unusual Hazard	None
User guidelines	EXPOSURE Avoid getting chemicals on you or in you. Cause eye-irritation and may cause skin irritation. Swallowing large amount of chemicals may cause injury or irritation
Steps to be taken	SPILLS Stop leak. Collect spilled concentrates. Rinse the affected area with plenty of water until it no longer foams. Care should be taken to avoid slip hazard.



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SECTION 4: FIRST AID MEASURES:

Flush eyes with water at least for 15 minutes. Remove contaminated clothing. Wash skin with ample water several times. If ingested, have victim drink water and obtain medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES:

Fire Extinguishing Media	Material is itself a fire extinguishing agent
Unusual Hazard	None
Flammability	
LEL %v	N/A
UEL %v	N/A
TDG Flammability	N/A
Explosion Sensitivity to impact	None
Flammable Material	No
Flash Point	>98°C

SECTION 6: ACCIDENTAL RELEASED MEASURES:

Stop leak. Use appropriate protective equipment during cleanup. Collect spilled concentrates. Rinse the affected area with plenty of water until it no longer foams. Care should be taken to avoid slip hazard. Disposal into drains should be avoided if at all possible and should under no circumstances be allowed without first consulting the local water authority and environment agency and also be made in accordance with federal, state and local regulations. Spillage can be absorbed with sand or contained with earth or spill control material. Shovel up spillage and place in labeled, sealable container for subsequent safe disposal as per local laws.

SECTION 7: HANDLING & STORAGE:

Handling: No special handling techniques are required. Avoid getting chemicals on you or in you. Wash hands after handling chemicals. Don't eat or drink while handling chemicals.

Storage: Recommended storage temperature is 0°C to 49°C. No Special conditions are required for safe storage. The product should be stored in original sealed containers above 0°C and below 40°C and as much as possible it should keep from being washed into surface water.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION:

Avoid getting chemicals on you or in you. Use tightly sealed safety glass or goggles for eye protection, use PVC/Nitrile or butyl rubber gloves, apron and rubber boots for skin protection. Use in well ventilation area and avoid prolong, extensive or repeated inhalation.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES:

Physical State	Clear non-viscous Liquid	Vapour Density (Air=1)	Data not available
Odour	Characteristic	Specific gravity (Water=1)	1.00-1.06
Appearance	Light yellow	Vapour Pressure @35°C,mm Hg	Data not available
Boiling point/Range	100°C (Initial)	Solubility in water @30°C	100% Soluble
pour point	Below (-)5°C	pH	7.0-8.5 at 27°C

SECTION 10: STABILITY & REACTIVITY:

Chemical Stability	Stable
Incompatibility with other material	Avoid use of product on burning metals, electrically energized equipment and contact with water reactive material
Reactivity	None
Hazardous Reaction Products	Not known



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SECTION 11: TOXICOLOGICAL INFORMATION

Effects of exposure/Symptoms	Cause eye-irritation and may cause skin irritation. Swallowing large amount of chemicals may cause injury or irritation
Permissible Exposure Limit, LD ₅₀	>6gm/Kg body wt. of rat (oral)

SECTION 12: ECOLOGICAL INFORMATION;

This product is an ecologically inert material. It does not contain ozone depleting substances and is not expected to exert an eco-toxic effect or bio-accumulated in the food chain.

SECTION 13: DISPOSAL CONSIDERATION:

Prevent discharge foam/foam solution to waterways without treatment. Waste disposal should be made in accordance with central, state and local regulations. Waste may be incinerated or disposed of by treatment at a permitted facility only with permission or as advised by competitive authority.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous or Hazardous for transport under UN, IMO, ADR/RID and IATA/ICAO

SECTION 15: REGULATORY INFORMATION

Shipping Name	N/A
Shipping Code/Label	N/A
Hazardous waste I.D. No	N/A
Label for supply	None required
UK regulatory references	Health and safety at work act 1974 Chemical (Hazard information & Packaging for supply) Regulation 1994/Amendment Regulations 1996
EC directives	Substances Directive 67/548/EEC as amended by 69/81/EEC, 70/189/EEC, 73/146/EEC, 75/409/EEC, 79/831/EEC, General Preparations Directives 88379/EEC
Statutory Instruments	Chemical (Hazard information & Packaging for supply) Regulation 1994/Amendment Regulations 1996
Guidance Notes	Occupational exposure limit EH40/96
Transportation of Dangerous Goods information	Non required as per ADR/RID/IMGD, IATA & 49 CFR

SECTION 16: OTHER INFORMATION

- CAS : Chemical Abstracts Service
- DOT : Department of Transportation
- NFPA : National Fire Protection Association
- TDG : Transportation of dangerous goods.
- UEL : Upper exposure limit
- LEL : Lower exposure limit.

DISCLAIMER

This information is based on our knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product. User is required to ensure suitability of the product for the intended use, compliance to regulations, for its safe use and disposal. **FOAMTECH ANTIFIRE COMPANY** will not be held responsible or liable for any injury or accident of any kind.