

Material Safety Data Sheet ED-F3 De-Foam

Section 1. Chemical Product and Company Identification

Product Name	ED-F3 De-Foam	
Product Number	ntn df	
Manufacturer/ Supplier	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
Phone Number	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
D.O.T. Emergency Phone:	1-800-633-8253	
Date of Preparation	February 15, 2010	Revision Number 1.0

Section 2. Hazards Identification

Emergency overview **This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

DANGER!

Keep out of reach of children.
Keep container closed during storage. For institutional and commercial use

Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-hazardous in case of inhalation

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Eyes Direct contact may cause temporary irritation. Avoid eye contact with product at all times.

Skin Effects of short-term Exposure are expected to be minimal. Some individuals may experience irritation and discomfort to skin. Avoid prolonged and unnecessary skin contact with product. Repeated or prolonged exposure may cause irritation.

Inhalation Not expected to be an inhalation hazard. Avoid Prolonged exposure to product vapors.

Ingestion Effects of ingestion small quantities are expected to be minimal. Never taste or swallow product.

Medical conditions aggravated by exposure: There is no known effect from chronic exposure to this product.

Potential Chronic Health There is no known effect from chronic exposure to this product.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Target Organs

Environmental Effects

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
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Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with a direct stream of water for at least 15 Minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get prompt medical attention of irritation develops.
Skin Contact	Flush with water and wash with mild soap and water. Seek medical attention if irritation develops or rash occurs. Remove contaminated clothing and wash before reuse.
Inhalation	No first aid should be needed
Ingestion	No first aid should be needed. Seek medical attention if large quantities are consumed. Do not induce vomiting except by physician's order. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below that knees.
General Advice	Treat according to person's condition and specifics of exposure. In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	

Section 5. Fire Fighting Measures

Flammability	Not available
Fire Fighting Media and instructions	Dry Chemical, Carbon Dioxide, and Foam. Use water spray to cool containers exposed to flames. Do not enter enclosed or confined workspaces without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available). If leak or spill has not ignited, use water spray to disperse the vapors.
Products of Combustion	Not available
Special Remarks on Fire Hazards	Not available
Special Remarks on Explosion Hazards	Not available
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	Not available
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
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Methods for Containment Build dike to contain flow. Remove free liquid. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Absorb with an inert material. Shovel, Sweep, or vacuum spilled material and place in an appropriate waste disposal according to local, state, and federal regulations.

Environmental Precautions See **Methods for Containment**

Methods for Clean Up See **Methods for Containment**

Section 7. Handling and Storage

Precautions Keep container tightly closed when handling or storing. Do not dilute product with water and store in diluted form. Exercise good personal and industrial hygiene when handling food-grade antifoams and defoamers. Avoid unsanitary conditions, usage, and storage. After handling always wash hands thoroughly with soap and water.

Incompatibility No incompatible product according to our data base

Storage Keep out of the reach of children. Not for use or storage in or around the home. Store this product below 110 F (43 C) in a cool, dry, well-ventilated area away from direct sources of heat, moisture, or sunlight. Do not store near strong oxidizing materials. Preferentially store below 77 F (25 C). To prolong shelf life, this product may be refrigerated. Protect product from freezing.

Keep out of reach of children.
Keep container closed during storage.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Personal Protection Good general ventilation should be sufficient to control airborne levels.

Eyes Safety goggles, Safety glasses with side shields

Body Washing at mealtime and end of shift is adequate.

Respiratory Not applicable

Hands Neoprene rubber, or other chemical resistant material such as nitrile or viton.

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Milky, white liquid with bland odor.

Molecular Weight

pH	Neutral
Boiling/Condensation Point	212 F
Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity (H2O=1)	1.00
Vapor Pressure	N/A
Vapor Density	Not Known
Volatility	N/A
VOC	N/A
Evaporation Rate (water=1)	1.0
Dispersion Properties	N/A
Solubility	100% in Water

The Product is:

Auto-ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	None Known
Explosion Hazards in Presence of Various Substances	Non Combustible. Use media compatible with surrounding fire
Odor	Bland Odor
Color	Millky White

Section 10. Stability and Reactivity Data
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Stability	Stable under normal temperature and pressure
Incompatibility with Various Substance	Strong oxidizing materials
Hazardous Decomposition Products	Will not occur

Section 11. Toxicological Information
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Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
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Toxicity to Animals

Acute Effects on Humans

Eyes	Direct contact may cause temporary irritation. Avoid eye contact with product at all times.
Skin	Effects of short-term Exposure are expected to be minimal. Some individuals may experience irritation and discomfort to skin. Avoid prolonged and unnecessary skin contact with product. Repeated or prolonged exposure may cause irritation.
Inhalation	Not expected to be an inhalation hazard. Avoid Prolonged exposure to product vapors.
Ingestion	Effects of ingestion small quantities are expected to be minimal. Never taste or swallow product.
Chronic Effects on Humans	There is no known effect from chronic exposure to this product.
Special Remarks on Toxicity to Animals	Not available
Special Remarks on Chronic Effects on Humans	Not available

Section 12. Ecological Information

Ecotoxicity	Not available
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available
Special Remarks on the Products of Biodegradation	Not available

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available

Section 14. Transport Information

DOT (U.S.A.) (Pictograms)	
TDG Classification	Not controlled under TDG (Canada)
PIN UN, Proper Shipping Name, PG	Not applicable
Maritime Transportation	Not a "marine pollutant"
Special Provisions for Transport	Not available

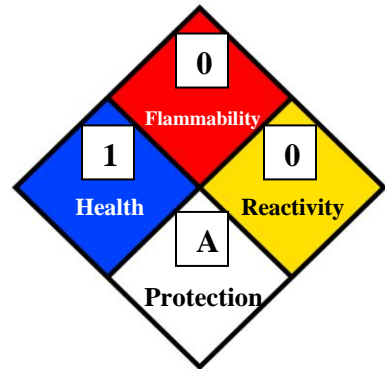
Section 15. Regulatory Information and Pictograms

Regulatory Lists	No products were found.	
Other Regulations	Not available, or of its ingredients	
Other Classifications	HCS (U.S.A.)	Not controlled under HCS (United States)
	USA Regulatory Lists	This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL) SARA 302 Extremely Hazardous Substances - Not listed SARA 311 - 1. Immediate (acute) health hazard SARA 313 Toxic Chemical List – Not listed
	DSD (EEC)	This product is not classified according to the EU regulations.
	International Regulations Lists	No Products were found.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



WHMIS (Classification) Not controlled under WHMIS (Canada).

The Hazard Ranking systems presented on this MSDS sheet provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Expiry Date	3 (Three Years) from the date of preparation indicated in Section 1.		
Validated by		Verified by	
Information Contact		Printed	

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on NuTech Specialties, Inc.