



# SAFETY DATA SHEET

Revision Date 12-May-2015

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 4947-ES Diesel Fuel Plus

**UN/ID No** NA1993  
**Product Code** 4947-ES

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Diesel Fuel Plus

### Details of the Supplier of the Safety Data Sheet

#### **Supplier Address**

Delta Foremost Chemical Corporation  
3915 Air Park St.  
Memphis, Tennessee 38118

### Emergency Telephone Number

**Company Phone Number** (901) 363-4340  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Flammable Liquids	Category 4
Aspiration toxicity	Category 2
Skin Corrosion/Irritation	Category 3
Carcinogenicity	Category 2

### Signal Word

**WARNING**

### Hazard Statements

Combustible Liquid  
May be harmful if swallowed and enters airways  
Causes mild skin irritation  
Suspected of causing cancer



**Appearance** Pale yellow liquid

**Physical State** Liquid

**Odor** Solvent

**Precautionary Statements - Prevention**

Use personal protective equipment as required  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Get medical attention if irritation occurs  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation persists: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed

**Other Hazards**

Toxic to aquatic life with long lasting effects  
Toxic to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Aromatic Hydrocarbon Solvent	64742-94-5	Proprietary

Product contains a proprietary mixture of ingredients.

**4. FIRST AID MEASURES****First Aid Measures****General Advice**

If exposed or concerned: Get medical advice/attention. Provide this SDS to medical personnel for treatment.

**Eye Contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.

**Skin Contact**

Flush with water while removing contaminated clothing and shoes before reuse. If irritation persists, get medical attention.

**Inhalation**

Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. If symptoms persist, call a physician.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention immediately.

**Most Important Symptoms and Effects, both Acute and Delayed****Symptoms**

May cause skin and eye irritation. Ingestion may result in irritation of mouth and gastrointestinal tract. Overexposure by inhalation can cause irritation of the respiratory tract and adverse effects on the central nervous system.

**Indication of any Immediate Medical Attention and Special Treatment Needed****Note to Physicians**

Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Foam, carbon dioxide or dry chemical extinguisher, or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Vapor concentrated in a confined or poorly ventilated area can be ignited upon contact with a high energy spark, flame, or high intensity heat source.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes and inhalation of vapors.

**Methods and Material for Containment and Cleaning Up****Methods for Containment**

Prevent further leakage or spillage if safe to do so. Absorb liquid with sawdust, sand or industrial absorbent.

**Methods for Cleaning Up**

Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS.

**7. HANDLING AND STORAGE****Precautions for Safe Handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wear eye/face protection. Avoid contact with skin, eyes or clothing. Avoid breathing vapors. Avoid breathing mists. Use only in well-ventilated areas.

**Conditions for Safe Storage, Including any Incompatibilities****Storage Conditions**

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep in properly labeled containers. Store locked up.

**Incompatible Materials**

Caustic soda, caustic potash, liquid oxygen or other oxidizing materials, alkali metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aromatic Hydrocarbon Solvent 64742-94-5	TWA: 10 ppm STEL: 15 ppm	TWA: 10 ppm	-

**Appropriate Engineering Controls****Engineering Controls**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

**Individual Protection Measures, such as Personal Protective Equipment****Eye/Face Protection**

Goggles or face shield.

**Skin and Body Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear protective Neoprene™ gloves, Rubber gloves.

**Respiratory Protection**

Use self-contained breathing apparatus if there is a heavy vapor about 300 ppm.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands after use and wash contaminated clothes before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

Physical State  
Appearance  
Color

Liquid  
Clear liquid  
Pale yellow

Odor  
Odor Threshold

Solvent  
Not determined

**Property****Values****Remarks • Method**

pH  
Melting Point/Freezing Point  
Boiling Point/Boiling Range  
Flash Point  
Evaporation Rate  
Flammability (Solid, Gas)  
Upper Flammability Limits  
Lower Flammability Limit  
Vapor Pressure  
Vapor Density  
Specific Gravity  
Water Solubility  
Solubility in Other Solvents  
Partition Coefficient  
Autoignition Temperature  
Decomposition Temperature  
Kinematic Viscosity  
Dynamic Viscosity  
Explosive Properties  
Oxidizing Properties

Not determined  
Not determined  
86.66 °C / 188 °F  
Not determined  
Not established  
Not determined  
Not applicable  
Not determined  
Not established  
Not established  
0.868  
Insoluble in water  
Not determined  
Not determined  
Not determined  
Not determined  
Not determined  
Not determined  
Not determined

(1=Water)

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Avoid heat, sparks, open flames and other ignition sources.

**Incompatible Materials**

Caustic soda, caustic potash, liquid oxygen or other oxidizing materials, alkali metals.

**Hazardous Decomposition Products**

Hydrogen chloride, and traces of chlorine or phosgene gases.

**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure****Product Information****Eye Contact**

Causes eye irritation.

**Skin Contact**

Causes skin irritation.

**Inhalation**

Harmful if inhaled.

**Ingestion**

May be harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic Hydrocarbon Solvent 64742-94-5	= 7050 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	= 5100 mg/L ( Rat ) 4 h

**Information on Physical, Chemical and Toxicological Effects****Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure****Germ Cell Mutagenicity**

Suspected of causing genetic defects.

**Carcinogenicity**

May cause cancer; The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Large doses caused malignant tumors in mice.

Chemical Name	ACGIH	IARC	NTP	OSHA
Aromatic Hydrocarbon Solvent 64742-94-5		Group 2B		

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ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

**STOT - Single Exposure**

May cause respiratory irritation. May cause drowsiness or dizziness.

**Chronic Toxicity**

Prolonged exposure above the OSHA permissible limits may result in liver and/or kidney damage.

**Aspiration Hazard**

May be harmful if swallowed and enters airways.

**Numerical Measures of Toxicity**

Not determined

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aromatic Hydrocarbon Solvent 64742-94-5	<1: 96 h Skeletonema costatum mg/L EC50	41: 96 h Pimephales promelas mg/L LC50		0.95: 48 h Daphnia magna mg/L E50

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Other Adverse Effects**

Not determined

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

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**14. TRANSPORT INFORMATION**

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**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN/ID No

NA1993

Proper Shipping Name

Combustible Liquid (Contains Petroleum Distillates)

Hazard Class

N/A

Packing Group

III

**IATA**

UN/ID No	NA1993
Proper Shipping Name	Combustible Liquid (Contains Petroleum Distillates)
Hazard Class	N/A
Packing Group	III

**IMDG**

UN/ID No	NA1993
Proper Shipping Name	Combustible Liquid (Contains Petroleum Distillates)
Hazard Class	N/A
Packing Group	III

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Not Determined

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations****SARA 313****US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Aliphatic Hydrocarbon Solvent 64742-88-7	X		

<b>16. OTHER INFORMATION</b>
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<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	2	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	2	0	Not determined

Revision Date	12-May-2015
Revision Note	New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet