



SAFETY DATA SHEET

Revision Date 13-August-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost F-2097-B N Solvent

UN/ID No UN 1268

Product Code F-2097-B

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Industrial lubricant.

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 3
Carcinogenicity	Category 2
Specific target organ toxicity (central nervous system)	Category 3
Specific target organ toxicity (respiratory irritant)	Category 3
Aspiration hazard	Category 1

Signal Word

Danger

Hazard Statements

Flammable liquid and vapor
May cause cancer
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways



Appearance Water white liquid

Physical State Liquid

Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, lighting, ventilating equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe vapors, spray, or mist.
Wash hands, forearms, and face thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear impermeable protective gloves, eye protection, flame retardant protective clothing.
Avoid release into the environment.

Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
If on skin: Wash with plenty of water. Take off immediately all contaminated clothing and wash before reuse. If skin irritation occurs: get medical advice/ attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/ attention.
Get medical advice/attention if you feel unwell.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use water spray, foam, carbon dioxide, dry chemical to extinguish.

Precautionary Statements - Storage

Store locked up
Protect from sunlight
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)

Product can accumulate electrostatic charges that may cause fire by electrical discharges.

Other Hazards**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Solvent Naptha (Petroleum), Light Aromatic	64742-95-6	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: Wash immediately with running water for at least 15 minutes, keeping the eyelids open. Remove contact lenses if present and easy to do. Seek medical attention if irritation occurs.
Skin Contact	Remove contaminated clothing and shoes. Wash affected area with plenty of water for at least 15 minutes. Wash contaminated clothing and shoes before reuse. Seek medical attention.
Inhalation	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Seek medical attention.
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.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Aspiration may cause pulmonary edema and pneumonitis. Skin contact can result in cracking and dryness. May cause narcotic effects and respiratory irritation.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Keep victim warm and rested. Avoid direct contact with the product. Never give anything by mouth to an unconscious person. Symptomatic treatment should include, above all, measured support as correction of hydro electrolytic and metabolic disturbances and respiratory failure.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide. Use water spray/stream to protect personnel and to cool endangered containers.

Unsuitable Extinguishing Media Do not use water jet.

Specific Hazards Arising from the Chemical

Toxic vapors may be formed. Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds. Vapors may spread to sources of ignition and provoke flames to retrocede. Closed containers may rupture violently when exposed to fire or excessive heat. Risk of explosion if heated in a confined space. Gas/vapor explosive with air within explosion limits.

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	Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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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. May require excavation of severely contaminated soil. Avoid discharge into drains, water courses, or onto the ground.
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	Avoid breathing mists or vapors. Avoid all personal contact. Potentially toxic/irritating fumes/vapors may be evolved from heated or agitated material. Use only with adequate ventilation. Do not enter storage areas or confined spaces unless adequately ventilated. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance.
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Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions	Store in a well-ventilated area. Keep away from open flames, hot surfaces, and sources of ignition. Keep container tightly closed. The floor of the storage room must be impermeable, non-oxidizing, and with contention dikes to retain the product in case of leakage. Store in adequate storage tanks placed in containment basin to retain product in case of leakage. Containers should be grounded to prevent static accumulation.
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
Solvent Naptha (Petroleum), Light Aromatic CAS 64742-95-6		TWA: 2000 mg/m3	TWA: 350mg/m3

Appropriate Engineering Controls

Engineering Controls	Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.
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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. Contact lens use is not recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Solvent
Appearance	Water white liquid	Odor Threshold	Not determined
Color	Water white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Ranges from -95.5 to -43.8 °C	
Boiling Point/Boiling Range	162.0 – 175.5 °C	
Flash Point	<47.5 °C	
Evaporation Rate	Not established	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	9.5% estimated	
Lower Flammability Limit	1.5% estimated	
Vapor Pressure	2.80 to 4.05 hPa @ 70F estimated	
Vapor Density	Not established	
Specific Gravity	0.874 estimated	(1=Water)
Water Solubility	Insoluble in water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	485.0 °C	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not available	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

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. Vapors may form explosive mixtures with air.

Incompatible Materials

Strong oxidizing agents, Nitric acid, Sulfuric acid. Pure oxygen. Do not expose to heat.

Hazardous Decomposition Products

May release CO_x, smoke, and noxious vapors when heated to decomposition.

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
Solvent Naptha (Petroleum), Light Aromatic 64742-95-6	>14000mg/kg	>2000mg/kg, 24 Hours (Rabbit)	6000 mg/m3, 4 Hours (Rat)

Information on Physical, Chemical and Toxicological Effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Germ Cell Mutagenicity	May cause genetic defects.
Carcinogenicity	There are in vivo studies that indicate positive results of kidney cancer.
STOT - Single Exposure	May cause respiratory irritation and depression of central nervous system with drowsiness, dizziness, weakness, loss of consciousness, nausea and headache.
Chronic Toxicity	Prolonged exposure may cause chronic effects.
Aspiration Hazard	May be fatal if swallowed and enters airways.
Reproductive Toxicity	This product is a suspected human reproductive toxicant.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Components	Species	Test Results
Solvent Naptha (Petroleum), Light Aromatic 64742-95-6	Daphnia magna	3.2 mg/L, 48 Hours
	Oncorhynchus mykiss	9.2mg/L, 96 Hours

Persistence and Degradability

Material is expected to be readily biodegradable.

Bioaccumulation

Most of the hydrocarbons comprising gasoline have a Log Kow >3, indicating that these constituents have a potential to bioaccumulate.

Other Adverse Effects

Not determined

Mobility in soil

Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

Note

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

DOT

UN/ID No	UN 1268
Proper Shipping Name	Petroleum Distillates, N.O.S. (Solvent naptha, light aromatic)
Hazard Class	3
Packing Group	III

IATA

UN/ID No	UN 1268
Proper Shipping Name	Petroleum Distillates, N.O.S. (Solvent naptha, light aromatic)
Hazard Class	3
Packing Group	III

IMDG

UN/ID No	UN 1268
Proper Shipping Name	Petroleum Distillates, N.O.S. (Solvent naptha, light aromatic)
Hazard Class	3
Packing Group	III

15. REGULATORY INFORMATION

U.S. Federal Regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not Regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

SARA 304 Emergency Release Notification
Not Regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories	Immediate Hazard –Yes
	Delayed Hazard –Yes
	Fire Hazard – Yes
	Pressure Hazard – No
	Reactivity Hazard – No

SARA 302 Extremely Hazardous Substance
Not Listed

CWA/ OPA: This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharges or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802/

SARA 313(TRI Reporting)

Chemical Name	CAS Number	Typical Value
Xylenes	1330-20-7	<2.2%
Cumene	98-82-8	<1.1%
Pseudocumene	95-63-6	<32%

Other Federal Regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List****Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)****Safe Drinking Water Act (SDWA)** Not Regulated**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number****Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))****DEA Exempt Chemical Mixtures Code Number****U.S. State Regulations****The following ingredients are cited on the lists below:**

Chemical Name	CAS Number	List Citations
Cumene	98-82-8	1, 4, 10, 13, 16, 17, 18, 19
Pseudocumene	95-63-6	1, 13, 16, 17, 18, 19
Xylenes	1330-20-7	1, 4, 13, 15, 16, 17, 18, 19

Regulatory Lists Searched

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code Key: CARC = Carcinogen; REPRO = Reproductive

International Inventories

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances(AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Notified Commercial Chemical Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCs)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States and Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	2	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	2	0	Not determined

Revision Date 13-August-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