



SAFETY DATA SHEET

Revision Date 10-June-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 1200-ES Slix

UN/ID No UN 1950
Product Code 1200

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 Aerosols	Category 1
Aspiration Hazard	Category 1
Carcinogenicity	Category 1B
Germ Cell Mutagenicity	Category 1B

Signal Word

Danger

Hazard Statements

Extremely flammable aerosol
May be fatal if swallowed and enters airways
May cause genetic defects
May cause cancer



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.
 Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use.
 Wear protective gloves, protective clothing, eye protection, and face protection.

Precautionary Statements - Response

LEAKING GAS FIRE: Do not extinguish unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.
 IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

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)

Defatting to the skin

Other Hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Distillates (petroleum), Hydrotreated Light	64742-47-8	Proprietary
Synthetic Isoparaffinic Hydrocarbon	64741-66-8	Proprietary
Butane	106-97-8	Proprietary
Propane	74-98-6	Proprietary
2,2,4-Trimethylpentane	540-84-1	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 another ten minutes. Get medical attention if irritation occurs.
Skin Contact	Wash skin with soap and plenty of water, while removing contaminated clothing and shoes. Wash items 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 if symptoms occur.
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Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Aspiration may cause pulmonary edema and pneumonitis.
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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.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media Do not use water jet.

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. In a fire or if heated, a pressure increase will occur and the container may burst.

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	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. Do not pierce or burn, even after use. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling this product must be grounded. Do not reuse empty containers. 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.
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Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions	Level 3 aerosol. 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
Propane 74-98-6		TWA: 1800 mg/m3	
Butane 106-97-8	STEL: 1000ppm		TWA: 1900mg/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.

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

Physical State	Gas, Aerosol	Odor	Solvent
Appearance	Water white liquid after release	Odor Threshold	Not determined
Color	Water white		
Property	Values	Remarks • Method	
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not available		
Flash Point	-156 °F [Pensky-Martens]		
Evaporation Rate	Not established		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	7.7% estimated		
Lower Flammability Limit	1.0% estimated		
Vapor Pressure	29.12psig @ 70F estimated		
Vapor Density	Not established		
Specific Gravity	0.728 estimated	(1=Water)	
Water Solubility	Insoluble in water		
Solubility in Other Solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition Temperature	606.63°F estimated		

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.

Incompatible Materials

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

Hazardous Decomposition Products

May release COx, 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. Aspiration may cause chemical pneumonia.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butane 106-97-8	-	-	= 1355 mg/L (Rat) 2 h
Distillates(Petroleum), Hydrotreated light 64742-47-8	>5000mg/kg (Rat)	>2000mg/kg, 24 Hours (Rabbit)	>7.5mg/l, 6 Hours
2,2,4- Trimethylpentane 540-84-1		>2000mg/kg, 24 Hours (Rabbit)	33.52mg/l, 4 Hours (Rat)
Propane 74-98-6			658mg/l, 4 Hours (Rat)
Synthetic Isoparaffinic Hydrocarbon 64741-66-8	4820mg/kg	>1900mg/kg, 24 Hours (Rabbit)	4.96mg/l, 4 Hours (Rat)

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	May cause genetic defects.
Carcinogenicity	May cause cancer.
STOT - Single Exposure	Not classified.
Chronic Toxicity	Prolonged exposure may cause chronic effects.
Aspiration Hazard	May be fatal if swallowed and enters airways.

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
Distillates (Petroleum), Hydrotreated light 64742-47-8	Rainbow Trout	2.9mg/L, 96 Hours
Synthetic Isoparaffinic Hydrocarbon 64741-66-8	Algae	30000mg/L, 72 Hours

Persistence and Degradability

Not determined

Bioaccumulation

Product/Ingredient Name	LogP	BCF	Potential
Butane	2.89	-	-
Propane	2.36	-	-

Other Adverse Effects

None expected

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 1950
 Proper Shipping Name Aerosols
 Hazard Class 2.1
 Packing Group N/A

IATA

UN/ID No UN 1950
 Proper Shipping Name Aerosols
 Hazard Class 2.1
 Packing Group N/A

IMDG

UN/ID No UN 1950
 Proper Shipping Name Aerosols
 Hazard Class 2.1
 Packing Group N/A

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)

2,2,4-Trimethylpentane (CAS 540-84-1) Listed

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

SARA 311/312 Hazardous Chemical

No

SARA 313(TRI Reporting)

Not Regulated

Other Federal Regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

2,2,4-Trimethylpentane (CAS 540-84-1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA) Not Regulated**U.S. State Regulations****U.S. Massachusetts RTK – Substance List**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

2,2,4-Trimethylpentane (CAS 540-84-1)

U.S. New Jersey Worker and Community Right-to-Know Act

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

2,2,4-Trimethylpentane (CAS 540-84-1)

U.S. Pennsylvania Worker and Community Right-to-Know Act

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

2,2,4-Trimethylpentane (CAS 540-84-1)

U.S. Rhode Island RTK

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

2,2,4-Trimethylpentane (CAS 540-84-1)

U.S. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	2	4	0	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	4	0	Not determined

Revision Date 10-June-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