



SAFETY DATA SHEET

Revision Date 26-February-2016

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 2046-ES Thrust Aerosol

UN/ID No UN1950

Product Code 2046-ES

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

Specific Target Organ Toxicity – Single Exposure	Category 3
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Flammable Aerosol	Category 1
Eye Irritation	Category 2
Gas under pressure	Liquefied Gas
Acute Toxicity – Inhalation	Category 4

Signal Word

Danger

Hazard Statements

Keep out of reach of children
Read label and SDS before use
Contains gas under pressure; may explode if heated
Extremely flammable aerosol
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways
Causes skin irritation
Suspected of damaging fertility or the unborn child
Causes serious eye irritation
Harmful if inhaled

**Appearance** Clear spray**Physical State** Liquid**Odor** Solvent**Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

Wear protective gloves and eye protection.

Do not spray into and open flame or other ignition source.

Avoid breathing dust, fumes, gas, vapor, mist, or spray.

Use only outdoors or in a well ventilated area.

Wash hands thoroughly after handling.

Pressurized container: Do not pierce or burn, even after use.

Precautionary Statements – Response

If ON SKIN: Wash with plenty of soap and water.

IF SKIN IRRITATION OCCURS: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Immediately call a poison control center or physician. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor/physician if you feel unwell.

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

Precautionary Statements - Storage

Store locked up

Protect from sunlight, heat, and sparks.

Store in a well-ventilated place.

Do not expose to temperatures exceeding 50°C/122°F.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant in accordance with all local, regional, and national regulations.

Hazards Not Otherwise Classified (HNOC)

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isoparaffinic Petroleum Distillate	64742-47-8	Proprietary
Severely Hydrotreated Naphthenic Petroleum Oil	64742-52-5	Proprietary
Lubricant Base Oil	N/A	Proprietary
Propane	74-98-6	Proprietary
Isobutane	75-28-5	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. Extremely flammable. Contents under pressure. Harmful or fatal if swallowed. Aspiration hazard if swallowed. Vapor harmful. Keep away from heat and flame. Can cause nervous system depression.

Eye Contact	Remove source of exposure or move person to fresh air. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Skin Contact	Immediately remove all contaminated clothing, shoes, and leather goods (e.g. watchbands or belts). Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse.
Inhalation	Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
Ingestion	Rinse mouth. Harmful or fatal if swallowed. Seek medical attention immediately. Aspiration hazard – This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	May be fatal if swallowed and enters airways. Ingestion may result in nausea, vomiting, and/or diarrhea.
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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**

Use water spray, fog, or foam.

Specific Hazards Arising from the Chemical

Flammable aerosol. In a fire or if heated, a pressure increase will occur, and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

Protective Equipment and Precautions for Firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive-pressure mode.

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

Personal Precautions	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Put on appropriate personal protective equipment (See Section 8).
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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. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams, or other bodies of water.
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Methods for Cleaning Up

Absorb unrecoverable product. Transfer contaminated absorbent, soil, and other materials to containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling**Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes, on skin, or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

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

Do not use or store near heat, sparks, or open flame. Exposure to temperatures above 120°F may cause bursting. Do not puncture or incinerate container. Store in a cool, dry place. Keep out of reach of children.

Incompatible Materials

Acids and strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isoparaffinic Petroleum Distillate 64742-47-8	TWA: 2000 mg/m ³	TWA: 500 ppm	
Propane 74-98-6	TWA: 1,000 ppm	TWA: 1,000 ppm	TWA: 1,000 ppm

Appropriate Engineering Controls**Engineering Controls**

Good general ventilation is required.

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

Wear safety glasses or goggles.

Skin and Body Protection

To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile, or neoprene).

Respiratory Protection

When respiratory protection is required, use an organic vapor cartridge. A respiratory program that meets OSHA's CFR 1910.34 & ANSI Z88.2 requirements must be followed.

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 spray/mist
Colorless

Odor
Odor Threshold

Solvent
Not determined

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

pH

Not determined

Melting Point/Freezing Point

N/A

Boiling Point/Boiling Range

N/A

Flash Point

105°F (Liquid Portion)

Evaporation Rate	N/A	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	N/A	
Lower Flammability Limit	N/A	
Vapor Pressure	Not established	
Vapor Density	Not established	
Specific Gravity	0.80	(1=Water)
Water Solubility	Insoluble in water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Under normal conditions of storage and use, hazardous reactions will not occur.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

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

Incompatible Materials

Acids and strong oxidizers.

Hazardous Decomposition Products

CO, CO₂. Vapors may ignite at temperatures exceeding flash point.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact

May cause serious eye irritation. Symptoms include stinging, tearing, and redness.

Skin Contact

May cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying of skin, and skin burns.

Inhalation

High vapor/aerosol concentrations (>1,000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorders and/or damage.

Ingestion

Harmful or fatal if swallowed. Aspiration hazard – This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isobutane 75-28-5			= 520,000 ppm (Mouse) 2 h
Propane 74-98-6	-	-	= 1,237 mg/L (Mouse) 120 min = 1,355 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 No data available

Carcinogenicity This material is not listed as a carcinogen by IARC, NTP, or OSHA.

Reproductive Toxicity None known.

STOT - Single Exposure May cause drowsiness or dizziness.

Chronic Toxicity Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Signs and symptoms of overexposure to this material through breathing, swallowing, and/or passage of material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, or unconsciousness).

Aspiration Hazard May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available.

Component Information

Not Determined

Persistence and Degradability

ISOPARAFFINIC PETROLEUM DISTILLATE (64742-47-8) Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly by photochemical reactions in air.

Bioaccumulation

ISOPARAFFINIC PETROLEUM DISTILLATE (64742-47-8) Contains constituents with the potential to bio-accumulate.

Other Adverse Effects

Not determined

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 UN1950
Proper Shipping Name Aerosols, Flammable
Hazard Class 2.1
Packing Group N/A

IATA

UN/ID No UN1950
Proper Shipping Name Aerosols, Flammable
Hazard Class 2.1
Packing Group N/A

IMDG

UN/ID No UN1950
Proper Shipping Name Aerosols, Flammable
Hazard Class 2.1
Packing Group N/A

15. REGULATORY INFORMATION

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 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard, Fire Hazard, Pressure Hazard

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propane 74-98-6	X	X	X

16. OTHER INFORMATION**NFPA****Health Hazards**

2

Flammability

4

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

2

Flammability

4

Physical Hazards

0

Personal Protection

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Revision Date

26-February-2016

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