



SAFETY DATA SHEET

Revision Date 17-March-2023

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 2038 PTFE Lube Aerosol

UN/ID No UN1950
Product Code 2038

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 (Narcotic Effects)	Category 3
Aspiration Hazard	Category 1
Skin Irritant	Category 2
Eye Irritation	Category 2A
Flammable Aerosol	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3
Gases Under Pressure	Liquefied Gas

Signal Word

Danger

Hazard Statements

Extremely flammable aerosol
Contains gas under pressure; may explode if heated
Causes skin and serious eye irritation
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways



Appearance Hazy white spray**Physical State** Liquid / aerosol**Odor** Solvent**Precautionary Statements - Prevention**

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

Protect from sunlight

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

Store in a well-ventilated place

Wash hands thoroughly after handling

Wear protective gloves and eye protection

Precautionary Statements – Response

IF ON SKIN: Get medical advice or attention. Take off contaminated clothing and wash before reuse

IF EXPOSED OR CONCERNED: Get medical advice/ attention. Call a poison center/doctor if you feel unwell.

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 center or doctor 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 persists: Get medical advice or attention.

In case of fire: Use water fog, dry chemical, or carbon dioxide to extinguish.

Collect spillage.

Precautionary Statements - Storage

Store locked up

Protect from sunlight, heat, and sparks.

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)

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Heptane	142-82-5	Proprietary
Isopropyl Alcohol	67-63-0	Proprietary
Propane	74-98-6	Proprietary
N-Butane	107-97-8	Proprietary
Naptha (petroleum), light alkylate	64741-66-8	Proprietary

Product contains a proprietary mixture of ingredients.

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

In cases of shortness of breath, give oxygen. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If exposed or concerned, get medical advice/attention.

Eye Contact

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 or attention.

Skin Contact	If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.
Inhalation	Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
Ingestion	If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision Skin: defatting and dermatitis Inhalation: Anesthetic, irritation, Central Nervous System depression Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk CHRONIC HEALTH HAZARDS: Repeated or prolonged exposure may be toxic to kidneys, liver, skin, central nervous system (CNS).
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, foam, or carbon dioxide (CO2)

Unsuitable Extinguishing Media Water spray/stream.

Specific Hazards Arising from the Chemical

Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force.

Protective Equipment and Precautions for Firefighters

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers. Shut off all sources of ignition.

Unusual Fire and Explosion Hazards

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. May develop a flammable atmosphere in confined areas.

Hazardous Combustion Products

Oxides of carbon, low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment._

SPILL: Clean up with non-combustible material like vermiculite, sand or earth. If many cans are opened remove ignition sources. Prevent spill from entering sewers, storm drains, and natural waterways._

WASTE DISPOSAL: Dispose of contents in accordance with federal, state, and local regulations. Do not dump in sewers._

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Use only with adequate ventilation. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Store in cool, dry, ventilated area. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

OTHER PRECAUTIONS: Keep out of the reach of children.

INCOMPATIBILITY: Avoid heat, flame, and contact with strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propane 74-98-6	1000 ppm	1000 ppm	-
Heptane 142-82-5	400 ppm	500 ppm	-
N-Butane 107-97-8	1000 ppm	Not Established	-
Isopropyl Alcohol 67-63-0	200 ppm	400 ppm	-
Naptha (petroleum), light alkylate 64741-66-8	Not Established	Not Established	-

Appropriate Engineering Controls

Engineering Controls Use only outdoors or in a well-ventilated area.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear face/eye protection. Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear protective gloves. Wear appropriate chemical resistant clothing.

Respiratory Protection Use only in well ventilated areas. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

General Hygiene Considerations Do not get in eyes. When using, do not eat, drink, or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wear appropriate thermal protective clothing, when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Gas / Liquid upon dispensing	Odor	Solvent
Appearance	White hazy spray	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	

Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Extremely Flammable Aerosol	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	0.71-0.76	(1=Water)
Water Solubility	Not soluble 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

Stable

Chemical Stability

Material is stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Temperatures greater than 122 °F and sources of ignition.

Incompatible Materials

Avoid heat, flame, and contact with strong oxidizing agents.

Hazardous Decomposition Products

Oxides of Carbon.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Heptane (142-82-5) LC50 (Vapors, Mice) 1600 ppm **Isopropyl Alcohol** (67-63-0) Oral LD50 (Rat): 5045mg/kg; Dermal LD50 (Rabbit): 12870mg/kg; Inhalation LC50 (Rat, 4h): 78.6 mg/L

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes irritation, redness, tearing, pain, blurred vision.

INGESTION: May cause gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, dizziness, drowsiness, signs of intoxication, incoordination, and slurred speech depending on the amount ingested. Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia or edema.

INHALATION: May cause irritation to the respiratory tract, dizziness, headaches, drowsiness, unconsciousness and other central nervous system effects including death with excessive or prolonged exposure. **SKIN:** Brief contact is not irritating. May cause irritation, dryness, redness, localized defatting with prolonged or repeated contact. Removes natural oils and fats from skin.

MEDICAL CONDITION AGGRAVATED: Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision Skin: defatting and dermatitis Inhalation: Anesthetic, irritation, Central Nervous System depression Oral: abdominal irritation, nausea, vomiting, diarrhea, aspiration risk

CHRONIC HEALTH HAZARDS: Repeated or prolonged exposure may be toxic to kidneys, liver, skin, central nervous system (CNS).

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Avoid release to the environment.
Isopropyl Alcohol (67-63-0) LC50 (Fathead Minnow, 96 hrs) 9640 mg/L
n-Heptane (142-82-5) EC50 (Daphnia) 0.2 mg/L

PERSISTENCE AND DEGRADABILITY: Component or components of this product are not biodegradable.

BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate. **MOBILITY IN SOIL:** This product is mobile in soil.

OTHER ADVERSE EFFECTS: None known.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure Do not puncture, incinerate, or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings, even after container is emptied. Do not reuse empty containers.

US RCRA Hazardous Waste U List: Reference

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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
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IMDG

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

15. REGULATORY INFORMATION

International Inventories

Not Determined

TSCA STATUS: All Chemicals are listed or exempt.**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None**SARA 311/312 HAZARD CATEGORIES:** Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure). Aspiration hazard.**SARA 313 REPORTABLE INGREDIENTS:** None.**STATE REGULATIONS:**

California Proposition 65: None. **Heptane (142-82-5) Director's List of Hazardous Substances:** CA; **Toxic Substances Disclosure to Employees Act:** IL; **Right-to-Know:** MA, MN, NJ, PA, RI. **Isopropyl Alcohol (67-63-0) Director's List of Hazardous Substances:** CA; **Toxic Substances Disclosure to Employees Act:** IL; **Right-to-Know:** FL, NJ, PA, MN, MA, RI.

INTERNATIONAL REGULATIONS: Canadian Domestic Substance List (DSL): All ingredients are listed.**VOLATILE ORGANIC COMPOUNDS (VOC):** 98.8%

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	3	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	3	0	B

Revision Date	17-March-2023
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