



# SAFETY DATA SHEET

Revision Date 19-June-2015

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 2044-ES Ultra Lube

**UN/ID No** Consumer Commodity  
**Product Code** 2044-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 (Narcotic Effects)	Category 3
Specific Target Organ Toxicity – Repeated Exposure	Category 2
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Aerosol	Category 1
Reproductive Toxicity	Category 2
Eye Irritation	Category 2
Chronic Aquatic toxicity	Liquefied Gas
Gas under pressure	OSHA H280
Flammable Liquids	Category 2

### Signal Word

**Danger**

### Hazard Statements

Highly flammable liquid and vapor  
Contains gas under pressure; may explode if heated H222, H229  
Extremely flammable aerosol, Pressurized container may burst if heated  
May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Causes skin irritation  
Suspected of damaging fertility or the unborn child  
Causes serious eye irritation  
Toxic to aquatic life with long lasting effects



**Appearance** Water white gel

**Physical State** Liquid

**Odor** Solvent

**Precautionary Statements - Prevention**

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.  
Avoid release into the environment.  
Keep container tightly closed.  
Ground or bond container and receiving equipment.  
Use explosion-proof electrical, ventilating, lighting, and equipment.  
Use only non-sparking tools.  
Take action to prevent static discharge.  
Wear protective gloves, protective clothing, eye protection, and face protection.  
Do not spray into and open flame or other ignition source.  
Do not pierce or burn, even after use.  
Avoid breathing dust, fumes, gas, vapor, mist, or spray.  
Use only outdoors or in a well ventilated area.  
Wash thoroughly after handling.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

**Precautionary Statements – Response**

If ON SKIN: Immediately remove contaminated clothing. Wash with plenty of soap and water.  
If EXPOSED OR CONCERNED: Get medical advice/ attention.  
Specific treatment ( see supplemental first aid instructions on this label).  
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.  
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)**

Not classified as flammable, but will burn.  
Repeated exposure may cause skin dryness or cracking. Used oil may contain harmful impurities.  
May form explosive peroxides.  
Rapidly absorbed through the skin.

**Other Hazards**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Isoparaffinic Petroleum distillate	64742-47-8	Proprietary
Hexane	110-54-3	Proprietary
Acetone	67-64-1	Proprietary
Petrolatum	8009-03-8	Proprietary
Butane	106-97-8	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**

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention. Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.
<b>Skin Contact</b>	Immediately remove all contaminated clothing, shoes, and leather goods (e.g. watchbands or belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. Call a poison control center or physician if you feel unwell. Store contaminated clothing under water and wash before reuse or discard.
<b>Inhalation</b>	Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed, feeling unwell, or concerned; contact a poison control center or physician. Eliminate all ignition sources if safe to do so.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, lie on your side, in the recovery position. Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.

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

<b>Symptoms</b>	Defatting of the skin. May cause skin dryness and irritation. 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**

<b>Note to Physicians</b>	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, fog, dry chemical, or carbon dioxide. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

**Unsuitable Extinguishing Media** Water may be ineffective but can be used to cool containers exposed to heat or flame.

**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.

Aerosol cans may rupture when heated.

Heated cans may burst.

In fire, will decompose to carbon dioxide, carbon monoxide.

**Protective Equipment and Precautions for Firefighters**

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill if it can be done safely. Move undamaged containers from immediate hazard area if it can be done easily. Water spray may be useful in minimizing or dispersing vapors to protect personnel. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Care should always be exercised in dusty or misty areas.

## 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). Use explosion proof equipment. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**Emergency Procedure**

Flammable/combustible material.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stay upwind; keep out of low areas. Immediately turn off or isolate any source of ignition. Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound and put into suitable container for proper disposal.

**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.

**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**

Storage class (TRGS 510): combustible liquids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone	TWA: 500 ppm STEL: 750 ppm	TWA: 1000 ppm	TWA: 250 ppm
Butane	TWA: 1000 ppm		TWA: 800 ppm
Hexane	TWA: 50 ppm	TWA: 500 ppm	TWA: 50 ppm
Isobutane	TWA: 1000ppm		TWA: 800ppm
Isoparaffinic Petroleum Distillate		TWA: 500ppm	
Propane		TWA: 1000ppm	TWA: 1000ppm

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

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

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

Goggles or face shield. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

**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**

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Wear air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate, organic gases, and vapors.

When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

**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**

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Clear gel	<b>Odor</b>	Solvent
<b>Color</b>	Water white	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	Not determined		
Melting Point/Freezing Point	N/A		
Boiling Point/Boiling Range	0°F		
Flash Point	Below 73 °F - closed cup		
Evaporation Rate	Slower than ether		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Typical 9.5V (based on mineral oil)		
Lower Flammability Limit	Typical 1V (based on mineral oil)		
Vapor Pressure	Not established		
Vapor Density	Not established		
Specific Gravity	.74	(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**

Stable

**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**

None known.

**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**

<b>Eye Contact</b>	Causes eye irritation. Overexposure will cause redness and burning sensation.
<b>Skin Contact</b>	Causes skin irritation. Overexposure will cause defatting of the skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	May be harmful if swallowed.

**Component Information**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Perchloroethylene 127-18-4	2629 mg/kg ( Rat )	>3245 mg/kg ( Rabbit )	34200 mg/L ( Rat ) 4 h
2-Butoxyethanol 111-76-2	560 mg/kg ( Rat )	406 mg/kg ( Rabbit )	450 mg/L ( Rat ) 4 h

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

<b>Symptoms</b>	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**

<b>Germ Cell Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>STOT - Single Exposure</b>	May cause drowsiness or dizziness.
<b>Chronic Toxicity</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration Hazard</b>	May be harmful if swallowed and enters airways.

**Numerical Measures of Toxicity**

ACETONE (67-64-1)

LC50 (rat): 30000ppm (4-hour exposure); cited as 71000 mg/m3 (4-hour exposure) (29)

LD50 (oral, rat): 6700mg/kg (24)

LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg. (30)

HEXANE (110-54-3)

LC50 (rat): 38500 ppm (4-hour exposure); cited as 77000ppm (271040 mg/m3)(1-hour exposure) (15)

LD50 (oral, rat): 28700 mg/kg (3,16)

ISOBUTANE (75-28-5)

LC50 (inhalation, mouse): 520,000 ppm (52%); 2-hour exposure. (4)

BUTANE (106-97-8)

LC50 (mouse): 202000 ppm (481000 mg/m3)(4-hour exposure); cited as 680mg/L (2-hour exposure)(9)

LC50 (rat): 276000 ppm (658000 mg/m3)(4-hour exposure); cited as 658mg/L (4-hour exposure)(9)

**Potential Health Effects – Miscellaneous**

ACETONE (67-64-1)

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available.  
Toxic to aquatic life with long lasting effects.

**Component Information**

Not Determined

**Persistence and Degradability**

ACETONE (67-64-1) 91% readily biodegradable, Method: OECD Test Guideline 301B  
ISOPARAFFINIC PETROLEUM DISTILLATE (64742-47-8) Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly by photochemical reactions in air.

**Bioaccumulation**

ACETONE (67-64-1) Does not bio-accumulate.  
ISOPARAFFINIC PETROLEUM DISTILLATE (64742-47-8) Contains constituents with the potential to bio-accumulate.

**Mobility in Soil**

ISOPARAFFINIC PETROLEUM DISTILLATE (64742-47-8) Floats on water. Contains volatile constituents.  
Evaporates within a day from water or soil surfaces. Large volumes may penetrate soil and contaminate ground water.

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	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**

Consumer Commodity, ORM-D

**IATA**

Consumer Commodity, ORM-D

**IMDG**

Consumer Commodity, ORM-D

### 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*

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*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

CAS	Chemical Name	Regulation List
67-64-1	Acetone	CERCLA, SARA312, TSCA, RCRA, ACGIH, OSHA
74-98-6	Propane	SARA312, VOC, TSCA, ACGIH, OSHA
75-28-5	Isobutane	SARA312, VOC, TSCA, ACGIH
106-97-8	Butane	SARA312, VOC, TSCA, ACGIH
110-97-8	Hexane	CERCLA, HAPS, SARA312, VOC, TSCA, ACGIH, OSHA
8009-03-8	Petrolatum	SARA312, TSCA
64742-47-8	Isoparaffinic Petroleum Distillate	SARA312, VOC, TSCA, OSHA

## 16. OTHER INFORMATION

### NFPA

### Health Hazards

2

### Flammability

3

### Instability

0

### Special Hazards

Not determined

### HMIS

### Health Hazards

2

### Flammability

3

### Physical Hazards

0

### Personal Protection

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Revision Date

19-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**