



SAFETY DATA SHEET

Revision Date 21-January-2016

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 4319-ES Brite Cleaner & Polish Aerosol

Product Code 4319-ES

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Industrial cleaner.

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 Irritation	Category 2
Aerosol	Category 1
Flammable Liquids	Category 2

Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapor
Extremely flammable aerosol, Pressurized container may burst if heated
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways
Causes skin irritation



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.
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.
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

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 persists: get medical advice/ attention.
In case of fire: Use water fog, dry chemical, or carbon dioxide to extinguish.

Precautionary Statements - Storage

Store locked up
Protect from sunlight, heat, and sparks.
Store in a well-ventilated place.
Keep cool
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, national, and international regulations.

Hazards Not Otherwise Classified (HNOC)

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isoparaffinic petroleum distillate	64742-47-8	Proprietary
Mineral Oil, Slab Oil	8042-47-5	Proprietary
Methyl Acetate	79-20-9	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****General Advice**

If exposed or concerned: Get medical advice/attention. Provide this SDS to medical personnel for treatment.

Eye Contact	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.
Skin Contact	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 of you feel unwell. Store contaminated clothing under water and wash before reuse or discard.
Inhalation	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.
Ingestion	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

Symptoms	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

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, 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.
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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. For industrial and institutional use only. For use by trained personnel only. Keep away from children. Wash hands after use. Eating, drinking, and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used or stored. The use of local ventilation is recommended to control emissions near the source.

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. Store at temperatures below 120°F.

Incompatible Materials

None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl Acetate	TWA: 200 ppm STEL: 606 mg/m ³	TWA: 200 ppm TWA: 610 mg/m ³	TWA: 200 ppm TWA: 610 mg/m ³
Butane	TWA: 1,000 ppm		TWA: 800 ppm
Isobutane	TWA: 1,000 ppm		TWA: 800 ppm
Isoparaffinic Petroleum Distillate		TWA: 500 ppm TWA: 2,000 mg/m ³	
Propane		TWA: 1,000 ppm	TWA: 1,000 ppm

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 with side shields or vented/splash proof goggles. 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

Physical State	Liquid	Odor	Solvent
Appearance	Clear gel	Odor Threshold	Not determined
Color	Water white		
Property	Values	Remarks • Method	
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	Slower than ether		
Specific Gravity	0.670	(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.
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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**

Eye Contact	Overexposure will cause redness and burning sensation.
Skin Contact	Causes skin irritation. Overexposure will cause defatting of the skin.
Inhalation	Harmful if inhaled.
Ingestion	May be fatal if swallowed and enters airways.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl Acetate 79-20-9	> 5,000 mg/kg (Rat) = 3,700 mg/kg (Rabbit)	> 5,000 mg/kg (Rabbit)	= 16,000-32,000 ppm (Rat) 4 h
Butane 106-97-8			= 262,000 ppm (Mouse) 4 h = 276,000 ppm (Rat) 4 h
Isobutane 75-28-5			= 520,000 ppm (Mouse) 2 h

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	No data available
Carcinogenicity	No data available.
Reproductive Toxicity	No data available.
STOT - Single Exposure	May cause drowsiness or dizziness.
Chronic Toxicity	No data available.
Aspiration Hazard	May be harmful 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.

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**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste.

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

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

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

CAS	Chemical Name	Regulation List
74-98-6	Propane	SARA312, VOC, TSCA, ACGIH, OSHA
75-28-5	Isobutane	SARA312, VOC, TSCA, ACGIH
106-97-8	Butane	SARA312, TSCA, ACGIH, OSHA
79-20-9	Methyl Acetate	CERCLA, HAPS, SARA312, VOC, TSCA, ACGIH, OSHA
64742-47-8	Isoparaffinic Petroleum Distillate	SARA312, TSCA
8042-47-5	Mineral Oil, Slab Oil	SARA312, VOC, TSCA, ACGIH, OSHA

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

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Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Revision Date

21-January-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