SAFETY DATA SHEET

Revision Date 23-July-2024 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 4502-ES Koil Master Aerosol

UN/ID No UN1950
Product Code 4502-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)

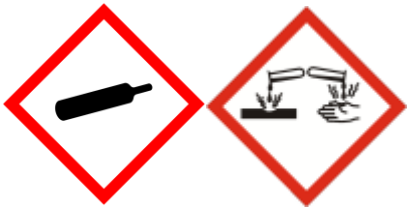
2. HAZARDS IDENTIFICATION

Classification

Skin Irritation/Corrosion	Category 1
Eye Irritation/Damage	Category 1
Gas under pressure	Liquefied Gas

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.
Causes severe skin burns and eye damage.



Appearance Clear spray / mist **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.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe mists.
Wash hands thoroughly after handling.

Precautionary Statements – Response

If ON SKIN: Immediately remove contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, get medical attention.
IF SWALLOWED: Rinse mouth. 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, immediately call a poison center or a physician.

Precautionary Statements - Storage

Store locked up
Protect from sunlight, heat, and sparks.
Store in a well-ventilated place. Keep container tightly closed
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)

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Diethylene Glycol Ethyl Ether	111-90-0	Proprietary
Sodium Metasilicate	6834-92-0	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. May be harmful if swallowed. Causes severe skin burns and eye damage.

Eye Contact — Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or a physician.

Skin Contact — Immediately remove all contaminated clothing, shoes, and leather goods (e.g. watchbands or belts) and wash before reuse. Wash with plenty of soap and water/shower. If skin irritation persists, get medical attention.

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.

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.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use water, fog, or foam. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Specific Hazards Arising from the Chemical
Contents under pressure. Keep away from ignition sources and open flames. 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.

Protective Equipment and Precautions for Firefighters
Isolate immediate hazard area and keep unauthorized personnel out. 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).

Methods and Material for Containment and Cleaning Up

Methods for Cleaning Up Prevent further leakage or spillage if safe to do so. Absorb liquid with sawdust, sand, or industrial absorbent. Sweep up absorbed material and shovel into suitable containers for disposal. Stop all leaks. 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. Absorb spill with inert material. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Avoid breathing vapors. Avoid breathing mists.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not use or store near heat, spark, or open flame. Exposure to temperatures above 120°F may cause bursting. Do not puncture or incinerate container. Do not get in eyes, on skin, or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. 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
Diethylene Glycol Ethyl Ether 111-90-0	TWA: 25 ppm	TWA: 25 ppm	
Sodium Metasilicate 6834-92-0	TWA: 10 mg/m^3	TWA: 15 mg/m^3	
Isobutane 75-28-5	TWA: 1,000 ppm		TWA: 800 ppm
Propane 74-98-6	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.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear safety glasses or goggles. Contact lenses may absorb irritants.

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. 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.

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		
Appearance	Clear spray / mist	**Odor**	Solvent
Color	Colorless	**Odor Threshold**	Not determined

Property	Values	Remarks • Method
pH	12.0 – 13.0	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	None	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not established	
Vapor Density	Not established	
Specific Gravity	1.00	(1=Water)
Water Solubility	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
VOC	6%
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

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

Chemical Stability
Stable under normal, 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, welding, and other ignition sources.

Incompatible Materials
Acids and strong oxidizers.

Hazardous Decomposition Products
May release COx, smoke, and noxious vapors when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Eye Contact Causes severe irritation experiences as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

Skin Contact Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness, and swelling and possible tissue destruction.

Inhalation High vapor/aerosol concentrations (>1,000 ppm) are irritating to the eyes and respiratory tract.

Ingestion May be harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat, and stomach.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Metasilicate 6834-92-0	= 1,152-1,349 mg/kg (Rat)	= Corrosive (Rabbit) 4 h	= Does not cause skin sensitization (Mouse) In vivo assay
Isobutane 75-28-5			= 520,000 ppm (Mouse) 2 h (52%)

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 No data available.

STOT - Single Exposure Lungs and upper respiratory tract, gastrointestinal tract, eyes, skin.

Chronic Toxicity None known.

Aspiration Hazard No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Metasilicate 6834-92-0		210: 96 h Zebra Fish mg/L LC50 semi-static		

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. See label for further instructions.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations. See label for further instructions.

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, Nonflammable
Hazard Class	2.2
Packing Group	N/A

IATA

UN/ID No	UN1950
Proper Shipping Name	Aerosols, Nonflammable
Hazard Class	2.2
Packing Group	N/A

IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols, Nonflammable
Hazard Class	2.2
Packing Group	N/A

15. REGULATORY INFORMATION

International Inventories

Not Determined

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- 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: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: Diethylene Glycol Ethyl Ether

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

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Metasilicate 6834-92-0	X		X

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act Inventory reporting requirements.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste, it would be assigned RCRA Code(s): D002.

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	4	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	1	4	0	G

Revision Date	23-July-2024
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