



SAFETY DATA SHEET

Revision Date 27-April-2022

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 583-ES Electronic Cleaner II Aerosol

UN/ID No UN1950

Product Code 583-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

| | |
|----------------------|------------|
| Aspiration Hazard | Category 1 |
| Flammable Liquids | Category 2 |
| Skin Irritation | Category 2 |
| Eye Irritation | Category 2 |
| Aerosol | Category 1 |
| Acute Toxicity, Oral | Category 5 |

Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapor
Extremely flammable aerosol
Pressurized container; may burst if heated
May be harmful if swallowed
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation



Appearance Clear, colorless liquid**Physical State** Liquid**Odor** Solvent**Precautionary Statements - Prevention**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children

Read label before use

Do not handle until all safety precautions have been read and understood.

Obtain special instructions before use

Keep away from heat/sparks/open flames/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.

Do not breathe gas.

Wash thoroughly after handling.

Do not eat, drink, or smoke when using this product.

Wear protective gloves/protective clothing, eye protection, and face protection.

Use only non-sparking tools

Take action to prevent static discharges

Use only outdoors or in a well-ventilated area

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 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 local, regional, national, and international regulations.

Hazards Not Otherwise Classified (HNOC)

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---------------------------------------|------------|-------------|
| VM & P Naphtha | 64742-49-0 | Proprietary |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | Proprietary |
| Heptane | 142-82-5 | Proprietary |
| Difluoroethane | 75-37-6 | 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. If exposed or concerned: Get medical advice/attention. Provide this SDS to medical personnel for treatment. Keep victim under observation. Keep victim warm. |
| 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/attention. |
| Skin Contact | Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If exposed or concerned: Get medical advice/attention. |
| Inhalation | Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Call a POISON CENTER or doctor. Eliminate all ignition sources if safe to do so. |
| Ingestion | Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. |

Most Important Symptoms and Effects, both Acute and Delayed

| | |
|-----------------|--|
| Symptoms | Dizziness. Nausea. Irritation of eyes and mucous membranes. Skin irritation. |
|-----------------|--|

Indication of any Immediate Medical Attention and Special Treatment Needed

| | |
|---------------------------|---|
| Note to Physicians | Provide general supportive measures and treat symptomatically. In cases of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage. |
|---------------------------|---|

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. Do not use a solid stream of water as it may scatter and spread fire. |
|---------------------------------------|---|

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.

Fire may produce irritating, corrosive, and/or toxic gases.

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 without risk. 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. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.

Care should always be exercised in dusty or misty areas.

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

Consider initial downwind evacuation for at least 500 meters (1/3 mile). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of this SDS.

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

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in the immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. If possible, turn leaking containers so that gas escapes rather than liquid. Isolate area until gas has dispersed. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements, or confined areas.

Small spills: Wipe up with absorbent material (fleece/cloth). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. This material and its container must be disposed of as hazardous waste.

7. HANDLING AND STORAGE**Precautions for Safe Handling****Advice on Safe Handling**

Do not handle until all safety precautions have been read and understood. Vapors may form explosive mixtures with air. May be ignited by open flame. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid exposure – obtain special instructions before use. Do not breathe mist or vapor. Do not breathe gas. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged and repeated contact. Avoid prolonged exposure. Do not get this material on clothing. When using, do not eat, drink, or smoke. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breast-feeding women must not handle this product. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Do not empty into drains. Observe good industrial hygiene practices.

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. Protect from sunlight and do not expose to temperatures above 122 F. Do not puncture, incinerate, or crush. Do not handle or store near flame, heat, or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see section 10 of this SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|----------------------------|----------------------------|------------|
| VM & P Naphtha 64742-49-0 | | TWA: 500 ppm | |
| Petroleum gases, liquefied, sweetened 68476-86-8 | | TWA: 500 ppm | |
| Heptane 142-82-5 | STEL: 400 ppm | TWA: 400 ppm | |
| Difluoroethane 75-37-6 | TWA: 2.5 mg/m ³ | TWA: 2.5 mg/m ³ | |

Appropriate Engineering Controls**Engineering Controls**

Ventilation must be adequate (typically 10 changes per hour) 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**

Tight fitting goggles or face shield. Contact lenses may absorb irritants. Avoid contact with the eyes.

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.

General Hygiene Considerations

Do not get in eyes. When using, do not eat, drink, or smoke. Do not get this material in contact with skin. Avoid contact with skin. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on Basic Physical and Chemical Properties****Physical State
Appearance
Color**

Liquid upon dispensing
Clear liquid
Colorless

Odor
Odor Threshold

Solvent
Not determined

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

| | | |
|------------------------------|--------------------|-----------|
| pH | Not determined | |
| Melting Point/Freezing Point | N/A | |
| Boiling Point/Boiling Range | Not determined | |
| Flash Point | N/A | |
| Evaporation Rate | N/A | |
| Flammability (Solid, Gas) | Not determined | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not established | |
| Vapor Density | Not determined | |
| Specific Gravity | 0.699 | (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 | |
| % VOC | 73.50% | |

10. STABILITY AND REACTIVITY

Reactivity

Stable

Chemical Stability

Risk of explosion and ignition. Material is 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 and other ignition sources. Aerosol containers are unstable at temperatures above 49 C. Avoid temperatures exceeding the flash point.

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. Causes serious eye irritation.

Skin Contact

Overexposure will cause defatting of skin. Causes skin irritation.

Inhalation

Acute Toxicity: Effects of overexposure include irritation of the respiratory tract, headache, dizziness, nausea, and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death.

Ingestion

May be fatal if swallowed and enters airways.

Component Information

None

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 | No data available. |
| Reproductive Toxicity | No data available. |
| STOT - Single Exposure | No data available. |
| Chronic Toxicity | No data available. |
| Aspiration Hazard | May be fatal if swallowed and enters airways. |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Very toxic to aquatic life with long lasting effects.
Very toxic to aquatic life.

Persistence and Degradability

No data is available on the degradability of this product.

Bioaccumulation

Propane 2.36

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

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

Hazard Class 2.1
Packing Group N/A

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

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

15. REGULATORY INFORMATION

International Inventories

Not Determined

| Chemical Name | % By Weight | Regulation List |
|---|-------------|-----------------------------|
| VM & P NAPHTHA 64742-49-0 | 37%-60% | SARA312,VOC,TSCA,ACGIH,OSHA |
| Difluoroethane 75-37-6 | 19%-30% | SARA312,TSCA,ACGIH,OSHA |
| Petroleum gases, liquefied, sweetened 68476-86-8 | 10%-23% | SARA312,TSCA,OSHA |
| Heptane 142-82-5 | 1.2%-3% | SARA312,VOC,TSCA,ACGIH,OSHA |

US Federal Regulations

This product is a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
 All Components are on the U.S. EPA TSCA Inventory List

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories

Immediate Hazard – Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes
 Pressure Hazard - Yes
 Reactivity Hazard - No

OTHER FEDERAL REGULATIONS

California Proposition 65

This product contains no Prop 65 chemicals.

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 | B |

Revision Date 27-April-2022
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