SAFETY DATA SHEET

Revision Date 20-September-2021 **Version** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 1338-ES Metal Guard Aerosol

Product Code 1338-ES

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Metal protectant.

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

Aerosol	Category 1
Gases Under Pressure	Liquefied Gas
Aspiration Hazard	Category 1
Carcinogenicity	Category 1B
Germ Cell Mutagenicity	Category 1B
Specific Target Organ Toxicity- Repeated exposure	Category 1

Signal Word

Danger

Hazard Statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May be fatal if swallowed and enters airways.
May cause cancer.
May cause genetic defects.
Causes damage to organs through prolonged or repeated exposure.

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 eye protection/face protection.
Do not spray into and open flame or other ignition source.
Do not pierce or burn, even after use.
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wash thoroughly after handling.

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.
IF SKIN IRRITATION OCCURS: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Precautionary Statements - Storage
Protect from sunlight.
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-%
Naptha, heavy hydrotreated (petroleum)	64742-48-9	Proprietary
Petroleum gases, liquefied, sweetened	68476-86-8	Proprietary
Stoddard solvent	8052-41-3	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.

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 safely. 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	Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways by using sand, earth, or other appropriate barriers.
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. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or mists. Us only with adequate ventilation to control air contaminants to their exposure limits. 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. Use good personal hygiene practices.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep container tightly closed and properly labeled. Store in a cool, dry, well-ventilated area away from heat, direct sunlight, and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Do not cut, drill, grind, weld, or perform similar operations on or near containers. Do not pressurize containers to empty them. Ground all structures, transfer containers and equipment to conform to the national electrical code. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard. 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
Stoddard Solvent 8052-41-3	TWA: 100 ppm TWA:: [(L)]; [5 (I)]; mg/m^3	TWA: 500 ppm TWA: 2900 mg/m^3	TWA: 350 mg/m^3
Naptha, heavy hydrotreated (petroleum) 64742-48-9	TWA: (L)[N159](L) [N800] ppm TWA:: [(L)[N159](L) [N800]]; [5 (I) [N159]5 (I) [N800]]; mg/m^3	TWA: 2000 mg/m^3 TWA: 500 ppm	
Petroleum gases, liquefied, sweetened 68476-86-8		TWA: 2000 mg/m^3 TWA: 500 ppm	TWA: 800 ppm TWA: 1,900 mg/m^3

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 Chemical 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 gloves, long-sleeved shirt, long pants, and other protective clothing as required to minimize skin contact.

Use of gloves approved to relevant standards made from the following materials may provide suitable protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Chemical-resistant clothing is recommended to avoid prolonged contact. Avoid unnecessary skin contact.

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		
Appearance	Clear gel	**Odor**	Solvent
Color	Water white	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not determined	
Melting Point/Freezing Point	N/A	
Boiling Point/Boiling Range	N/A	260°F
Flash Point	Below 73 °F - closed cup	
Evaporation Rate	Slower than ether	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	N/A	Typical 9.5V (based on mineral oil)
Lower Flammability Limit	N/A	Typical 1V (based on mineral oil)
Vapor Pressure	Not established	
Vapor Density	Slower than ether	
Specific Gravity	0.737	(1=Water)
Water Solubility	Insoluble in water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	N/A	0
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
Will not occur.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Avoid high temperatures, sparks, open flames and other ignition sources.

Incompatible Materials
None known.

Hazardous Decomposition Products
In fire, will decompose to CO, CO_2.

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 the skin. Causes mild skin irritation.

Inhalation May be harmful if inhaled.

Ingestion May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Stoddard Solvent 8052-41-3	> 5 g/kg (Rat)	> 3 g/kg (Rabbit)	> 5,500 mg/m^3 (Rat) 4 h

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.

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

Aspiration Hazard No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available.

Component Information
Not Determined

Persistence and Degradability
No data available.
Bioaccumulation
No data available.

Mobility in Soil
No data available.

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. Empty containers retain residue, which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes.

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/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*

CAS	Chemical Name	Regulation List
64742-48-9	Naptha, heavy hydrotreated (petroleum)	SARA312, VOC, TSCA, ACGIH, OSHA
68476-86-8	Petroleum gases, liquefied, sweetened	SARA312, TSCA, OSHA
8052-41-3	Stoddard Solvent	SARA312, VOC, TSCA, ACGIH, OSHA

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	3	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	1	3	0	B

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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