



SAFETY DATA SHEET

Revision Date 31-August-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 4575-ES Citrafect Aerosol

UN/ID No UN1950
Product Code 4575-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

Flammable liquids	Category 2
Eye Irritation	Category 2A
Liquefied Gas	

Signal Word

WARNING

Hazard Statements

Flammable aerosol
Causes serious eye irritation
Contains gas under pressure; may explode if heated



Appearance Clear amber liquid

Physical State Liquid

Odor Citrus

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection
 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
 Protect from sunlight. Do not expose to temperatures exceeding 50°C.
 Store in a well-ventilated place
 Wash hands thoroughly after handling

Precautionary Statements - Response

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
 IF ON SKIN (or hair): Rinse skin with water/shower. Wash contaminated clothing before reuse
 If skin irritation persists: Get medical advice/attention
 In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects
 Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethanol	64-17-5	Proprietary
Butane	106-97-8	Proprietary
Propane	74-98-6	Proprietary

Product contains a proprietary mixture of ingredients.

4. FIRST AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
Inhalation	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
Ingestion	Do NOT induce vomiting. Immediate medical attention is required.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Nausea, dizziness, irritation to skin and/or mucous membranes.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam, carbon dioxide, dry chemical extinguisher, or water spray.

Unsuitable Extinguishing Media Water jet.

Specific Hazards Arising from the Chemical

Flammable/combustible material. May be ignited by heat, sparks or flames. Vapors may travel to source of ignition and flash back. Container may explode in heat or fire.

Hazardous Combustion Products Carbon monoxide.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water may be used to cool closed containers to prevent pressure buildups and possible ignition or explosion when exposed to extreme heat. Use air-supplied equipment for enclosed 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). In case of a spill, clear the affected area and protect people. Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas.

Methods and Material for Containment and Cleaning Up

Methods for Containment Absorb with non-combustible material, like vermiculite, sand, or earth and rinse with a small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state, and federal regulations.

Methods for Cleaning Up Do not puncture or incinerate! If empty: Place in trash or offer for recycling if available. If partly filled, Call your local solid waste agency for disposal instructions. For waste disposal, see section 13 of the SDS.

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

Advice on Safe Handling Protect from sunlight. Store in a well-ventilated place. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Ensure containers are properly labeled. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Wash face, hands, and any exposed skin thoroughly after handling. When using do not eat, drink or smoke.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong oxidizers such as permanganate.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	TWA: 1,000 ppm	TWA: 1,000 ppm TWA: 1,900 mg/m ³	TWA: 1,000 ppm TWA: 1,900 mg/m ³
Propane 74-98-6	TWA: 1,000 ppm	TWA: 1,000 ppm TWA: 1,800 mg/m ³	TWA: 1,000 ppm
Butane 106-97-8	TWA: 1,000 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 Splash goggles or safety glasses.

Skin and Body Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection Solvent type mask.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Citrus
Appearance	Clear amber liquid	Odor Threshold	Not determined
Color	Amber		
Property	Values	Remarks • Method	
pH	7.0		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	>170 °F		
Flash Point	Not determined	Tag Closed Cup	
Evaporation Rate	1	(butyl acetate = 1)	
Flammability (Solid, Gas)	Flammable aerosol		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	44 (mm Hg)		
Vapor Density	>1	(Air=1)	
Specific Gravity	0.875	(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		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

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

Keep away from oxidizers, heat and open flame.

Incompatible Materials

Strong oxidizers such as permanganate.

Hazardous Decomposition Products

Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Product Information****Eye Contact**

Causes severe irritation.

Skin Contact

May cause mild skin irritation with prolonged contact.

Inhalation

Acute exposure may cause nausea, vomiting, coughing, and pulmonary irritation.

Ingestion

Causes gastrointestinal irritation, nausea, and vomiting.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol 64-17-5	= 7060 mg/kg (Rat)	-	= 20000 ppm (Rat) 10 h
Butane 106-97-8			= 1,355 mg/L (Rat) 2 h = 481,000 mg/L (Mouse) 4 h
Propane 74-98-6			= 1,237 mg/L (Mouse) 120 min = 1,355 mg/L (Rat) 4 h

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

Please see section 4 of this SDS for symptoms.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined.

Persistence and Degradability

Component or components of this product are not biodegradable.

Bioaccumulation

This product is not expected to bioaccumulate.

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Do not puncture or incinerate! If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. 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. Product should be fully characterized prior to disposal.

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, Limited Quantity
Hazard Class	2.1
Packing Group	N/A

IATA

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

IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols, Limited Quantity
Hazard Class	2.1
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

CERCLA

Fire Hazard

SARA 311/312 Hazard Categories

Ethanol, 64-17-5

Acute Health, Chronic Health

Fire/Flammable

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethanol 64-17-5	X	X	X
Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards

1

Flammability

3

Instability

1

Special Hazards

Not determined

HMIS

Health Hazards

1

Flammability

3

Physical Hazards

1

Personal Protection

A

Revision Date

31-August-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