



# SAFETY DATA SHEET

Revision Date 26-August-2016

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 4051-ES Hand Shield Aerosol  
UN1950  
**UN/ID No**  
**Product Code** 4051-ES

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Cleaning agent.

### 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

Gases under pressure

Liquefied gas

### Signal Word

**WARNING**

### Hazard Statements

Contains gas under pressure; may explode if heated.



**Appearance** White Foam

**Physical State** Liquid / Foam

**Odor** Citrus

### Precautionary Statements - Prevention

Pressurized container. Do not pierce or burn, even after use.  
Protect from sunlight. Do not expose to temperatures exceeding 122°F.  
Keep away from heat, sparks, open flames, and hot surfaces. No smoking.  
Store in a well-ventilated area.

**Precautionary Statements – Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Get medical attention if irritation occurs  
IF ON SKIN: No irritation expected.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if irritation occurs.  
Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place.  
Protect from sunlight. Do not expose to temperatures exceeding 50°C.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed

**Other Hazards**

None.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Propane/ <i>n</i> -Butane	68476-86-8	Proprietary
Triethanolamine	102-71-6	Proprietary

Product contains a proprietary mixture of ingredients.

**4. FIRST AID MEASURES****First Aid Measures**

<b>General Advice</b>	If concerned: Get medical advice/attention. Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.
<b>Skin Contact</b>	No irritation expected.
<b>Inhalation</b>	Remove victim to fresh air and provide oxygen if breathing is difficult. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Seek medical attention if irritation occurs. Drink plenty of water.

**Most Important Symptoms and Effects, both Acute and Delayed**

<b>Symptoms</b>	Overexposure by inhalation can cause irritation of the respiratory tract.
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Note to Physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, foam, or carbon dioxide.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

#### **Personal Precautions**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes and inhalation of vapors.

### 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.

#### **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**

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. Ground and bond containers when transferring material. Do not re-use empty containers. Avoid contact with eyes or clothing. Avoid breathing vapors. Avoid breathing mists. Use only in well-ventilated areas. Avoid prolonged exposure. Observe good industrial hygiene practices.

### Conditions for Safe Storage, Including any Incompatibilities

#### **Storage Conditions**

Store in a cool, dry and well-ventilated place. Keep in properly labeled containers.

#### **Incompatible Materials**

None known

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propane/ <i>n</i> -Butane 68476-86-8	TWA: 1,000 ppm	TWA: 1,000 ppm TWA: 1,800 mg/m <sup>3</sup>	TWA: 1,000 ppm TWA: 1,800 mg/m <sup>3</sup>
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	-	-

**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**

Goggles or face shield.

**Skin and Body Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate.

**Respiratory Protection**

Use self-contained breathing apparatus if there is a heavy vapor about 300 ppm.

**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 / aerosol / foam

**Appearance**

White foam

**Color**

White

**Odor**

Citrus

**Odor Threshold**

Not determined

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

8.5 – 9.0

**Melting Point/Freezing Point**

Not determined

**Boiling Point/Boiling Range**

>212°F

**Flash Point**

Not determined

**Evaporation Rate**

0.3

**Flammability (Solid, Gas)**

Not considered a flammable aerosol

**Upper Flammability Limits**

Not determined

**Lower Flammability Limit**

Not determined

**Vapor Pressure**

>20 psig

**Vapor Density**

>10

**Specific Gravity**

0.980

(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**

Avoid heat, sparks, open flames and other ignition sources.

**Incompatible Materials**

None known

**Hazardous Decomposition Products**

No hazardous decomposition products are known.

**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure****Product Information**

<b>Eye Contact</b>	May cause temporary irritation.
<b>Skin Contact</b>	No irritation expected.
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propane/ <i>n</i> -Butane 68476-86-8	-	-	= 685 mg/m <sup>3</sup> ( Rat ) 4 h

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

<b>Symptoms</b>	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**

<b>Germ Cell Mutagenicity</b>	None.
<b>Carcinogenicity</b>	None.
<b>STOT - Single Exposure</b>	None.
<b>Chronic Toxicity</b>	Prolonged inhalation may be harmful.
<b>Aspiration Hazard</b>	Not likely.

**Numerical Measures of Toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not determined.

**Persistence and Degradability**

Not determined.

**Bioaccumulation**

Not determined

**Mobility**

Chemical Name	Partition Coefficient
Propane/n-Butane 68476-86-8	2.36

**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. Do not puncture, incinerate, or crush.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not puncture, incinerate, or crush.

**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, non-flammable
Hazard Class	2.1
Packing Group	N/A

**IATA**

UN/ID No	UN1950
Proper Shipping Name	Aerosols, non-flammable
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

**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***US Federal Regulations**

**SARA 313**

Not determined.

**CAA (Clean Air Act)**Propane/*n*-Butane, CAS No. 68476-86-8**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propane/ <i>n</i> -Butane 68476-86-8	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards**

1

**Flammability**

0

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health Hazards**

1

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

A

**Revision Date**

26-August-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**