



# SAFETY DATA SHEET

Revision Date 26-February-2018

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 1189-ES Fume Free Carbon Remover Aerosol

**UN/ID No** UN1950  
**Product Code** 1189-ES

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

**Recommended Use** Industrial oven 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 1B
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.  
May be corrosive to metals.



**Appearance** White foam

**Physical State** Liquid

**Odor** Lemon

**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-%
Potassium Hydroxide	1310-58-3	Proprietary
Propane/n-Butane	68476-86-8	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. 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) 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**

Organic materials, concentrated acid, metal. May react with certain food sugars.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium Hydroxide 1310-58-3	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	
Propane/n-Butane 68476-86-8	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	Odor	Lemon
Appearance	White foam	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	>13	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Approx. 212°F (100°C)	
Flash Point	None	
Evaporation Rate	<0.8 (slow)	
Flammability (Solid, Gas)	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	17.5 @ 77°F (25°C)	
Vapor Density	1.00	(1 = Air)
Specific Gravity	1.085 @ 77°F (25°C)	(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	
Volatility Including Water (%)	90%	
Volatile Organic Compounds (VOC)	9%	

## 10. STABILITY AND REACTIVITY

### Reactivity

Chemically active metals and acids.

### 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. Organic materials, concentrated acids metal. May react with certain food sugars.

### Incompatible Materials

Organic materials, concentrated acids metal. May react with certain food sugars.

### Hazardous Decomposition Products

Some metals can release oxides of phosphorus and release hydrogen gas which can be explosive.

## 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
Potassium Hydroxide 1310-58-3	= 500-700 mg/kg ( Rabbit )	= Corrosive >2 g/kg ( Rabbit ) 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**

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.

<b>Chronic Toxicity</b>	None known.
<b>Aspiration Hazard</b>	No data available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Potassium Hydroxide 1310-58-3		80: 24h Mosquito Fish mg/L LC50 semi-static		

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations. See label for further instructions.
<b>Contaminated Packaging</b>	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

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	N/A

### IATA

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	N/A

### IMDG

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	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 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.**SARA 313:** No reportable ingredients**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
Potassium Hydroxide 1310-58-3	X	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**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	3	1	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3	1	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**