



# SAFETY DATA SHEET

Revision Date 15-March-2023

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 2154-ES X-Mark Remover

**UN/ID No** UN1950

**Product Code** 2154-ES

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

**Recommended Use** 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
Toxic to Reproduction	Category 2
Skin Irritation	Category 2
Eye Irritation	Category 2
Specific Target Organ Toxicity (repeated exposure)	Category 2
Specific Target Organ Toxicity (single exposure)	Category 3
Flammable Aerosols	Category 1
Gasses Under Pressure	Liquefied gas

### Signal Word

**Danger**

### Hazard Statements

Keep out of reach of children.

Read label and SDS before use.

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

May cause damage to central nervous system through prolonged or repeated exposure.

Suspected of damaging the unborn child via inhalation.

Causes skin irritation

Causes serious eye irritation

**Appearance** Water white**Physical State** Liquid**Odor** Solvent**Precautionary Statements - Prevention**

Obtain special instructions before use.

Keep out of reach of children.

Read label and SDS before use.

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

May cause damage to central nervous system through prolonged or repeated exposure.

Suspected of damaging the unborn child via inhalation.

Causes skin irritation

Causes serious eye irritation

**Precautionary Statements – Response**

IF SWALLOWED: Immediately call a poison center or a doctor. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical attention.

Take off contaminated clothing and wash before reuse.

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 attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a poison center or doctor if you feel unwell.

If exposed or concerned: Get medical attention.

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Store in a well-ventilated place.

Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents and container 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-%
2-butoxyethanol	111-76-2	Proprietary
Tolulene	108-88-3	Proprietary
Acetone	67-64-1	Proprietary
Methyl Ethyl Ketone	78-93-3	Proprietary
Propane	74-98-6	Proprietary
Isobutane	75-28-5	Proprietary

Product contains a proprietary mixture of ingredients.

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>General Advice</b>	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.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT DELAY irrigation or attempt to remove the lens. Continue rinsing. Call a physician or poison control center immediately.
<b>Skin Contact</b>	Take off immediately all contaminated clothing. Remove and isolate contaminated clothing and shoes. Immediately flush skin with plenty of water. Call a physician or poison control center immediately. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
<b>Inhalation</b>	If symptoms develop move victim to fresh air. Give oxygen or artificial respiration if needed. Do not use mouth-to-mouth if victim inhaled the substance. Call a physician or poison control center immediately. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical assistance if symptoms persist.
<b>Ingestion</b>	If swallowed: Immediately call a POISON CENTER or physician. Rinse mouth with water thoroughly. Never give anything by mouth to a victim who is unconscious or having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so stomach content doesn't go into lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask with a one-way valve or other proper respiratory medical device.

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

<b>Symptoms</b>	Dizziness. Nausea. Irritation of eyes and mucous membranes. Skin irritation. Prolonged exposure may cause chronic effects. Aspiration may cause pulmonary edema and pneumonitis. May cause redness and pain. Prolonged exposure may cause chronic effects.
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Note to Physicians</b>	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.
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**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**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during cleanup. 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).

Level 1 aerosol

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-butoxyethanol 111-76-2	TWA: 500 ppm	TWA: 25 ppm STEL: 125 ppm	-
Acetone 67-64-1	TWA: 100 ppm	TWA: 200 ppm	STEL: 250 ppm
Methyl Ethyl Ketone 79-93-3	TWA: 1mg/m <sup>3</sup>	-	TWA: 15mg/m <sup>3</sup>
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>
Propane 74-98-6		TWA: 1000ppm	TWA: 1000ppm

**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.

<b>Skin and Body Protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear protective Neoprene™ gloves, Rubber gloves.
<b>Respiratory Protection</b>	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.
<b>General Hygiene Considerations</b>	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.

**Biological Limit Values****9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid upon dispensing	<b>Odor</b>	Solvent
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Water white		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	Not determined		
<b>Melting Point/Freezing Point</b>	N/A		
<b>Boiling Point/Boiling Range</b>	87°F		
<b>Flash Point</b>	-156 °F - closed cup		
<b>Evaporation Rate</b>	Slower than ether		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not determined		
<b>Vapor Pressure</b>	40-55psig @ 20C		
<b>Vapor Density</b>	Not established		
<b>Specific Gravity</b>	.473	(1=Water)	
<b>Water Solubility</b>	Insoluble in water		
<b>Solubility in Other Solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Autoignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		

**10. STABILITY AND REACTIVITY****Reactivity**

Stable

**Chemical Stability**

Risk of explosion and ignition. Unstable. 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. Contact with incompatible materials.

### **Incompatible Materials**

Strong oxidizing agents. Strong acids.

### **Hazardous Decomposition Products**

May release CO<sub>x</sub>, smoke, hydrogen chloride, and noxious vapors when heated to decomposition.

## **11. TOXICOLOGICAL INFORMATION**

### **Information on Likely Routes of Exposure**

#### **Product Information**

<b>Eye Contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Skin Contact</b>	Causes skin irritation.
<b>Inhalation</b>	May cause damage to organs by inhalation. May cause damage to organs through prolonged or repeated exposure by inhalation.
<b>Ingestion</b>	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propane 74-98-6	-	-	= 1,237 mg/L ( Mouse ) 120 min = 1,355 mg/L ( Rat ) 4 h
Toluene 108-88-3	= 5,580 mg/kg ( Rat )	= 12,196 mg/kg ( Rabbit )	= 12,500-28,800 mg/m <sup>3</sup> ( Rat ) 4h

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

<b>Symptoms</b>	Dizziness, headache, nausea, irritation of the nose and throat, aspiration may cause pulmonary edema and pneumonitis, irritation of the eyes and mucous membranes, skin irritation. May cause redness and pain.
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### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

<b>Germ Cell Mutagenicity</b>	May cause genetic defects.
<b>Carcinogenicity</b>	This material is not listed as a carcinogen by IARC, NTP or OSHA.
<b>Reproductive Toxicity</b>	Hazardous by OSHA criteria. Avoid exposure during early pregnancy. Possible reproductive hazard. Potential embryo-fetal toxicity and teratogenicity. Can cause adverse reproductive effects – such as birth defects, miscarriages, or infertility. Suspected of damaging the unborn child.
<b>STOT - Single Exposure</b>	Skin. Respiratory system. May cause damage to organs. Central nervous system. Eyes. Gastrointestinal tract. May cause drowsiness or dizziness.
<b>Chronic Toxicity</b>	Respiratory system, skin, kidneys, central nervous system, eyes, and liver. May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Aspiration Hazard**

May be fatal if swallowed and enters airways.

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

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Toluene 108-88-3	245.0 mg/L: 24 h Chlorella vulgaris mg/L EC50 10.0: 24 h Pseudokirchneriella subcapitata EC50	7.63 mg/L: 96 h Oncorhynchus mykiss mg/L LC50 5.44: 7 d Pimephales promelas NOEC		8.0 mg/L: 24 h Daphnia magna EC50

**Persistence and Degradability**

No data is available on the degradability of this product.

**Mobility in soil** No data available**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, flammable

**Hazard Class**

2.1



<b>Packing Group</b>	N/A
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This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity – ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/30/2020 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**IATA**

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	N/A
<b>Other information</b>	
<b>Passenger and Cargo Aircraft</b>	Allowed
<b>Packaging Exceptions</b>	LTD QTY

**IMDG**

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	N/A
<b>Environmental Hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	Not available
<b>Special precautions for user</b>	Read safety instructions, SDS, and emergency procedures before handling.
<b>Packaging Exceptions</b>	LTD QTY

<b>Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	Not applicable
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<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Not Determined

**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

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act)**  
**Tolulene**

**CERCLA RQ (40 CFR 302)**

<b>Acetone</b>	<b>5000 lbs</b>
<b>Methyl Ethyl Ketone</b>	<b>5000 lbs</b>
<b>Tolulene</b>	<b>1000 lbs</b>

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65)**

**2-butoxyethanol**  
**Methyl Ethyl Ketone**  
**Tolulene**

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-to-Know-Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in section 15 of this SDS.

If identified components of this product are listed under Section 131, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

**Title III Section 311/312** Hazardous Categories – 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire (X) Pressure (X) Reactive ( ) Not Applicable ( )

**T.S.C.A. 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).

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	3	4	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3	4	0	Not determined

Revision Date 15-March-2023  
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