



# SAFETY DATA SHEET

Revision Date 5-May-2016

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 4892-ES Infesticide Insecticide

**Product Code** 4892-ES

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

**Recommended Use** Insecticide.

### 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 Sensitization	Category 1
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### Signal Word

**WARNING**

### Hazard Statements

May cause an allergic skin reaction



**Appearance** White, opaque liquid

**Physical State** Liquid

**Odor** Odorless

### Precautionary Statements - Prevention

Avoid breathing mist or spray.  
Wear eye protection, protective clothing, and protective gloves.  
Contaminated work clothing must not be allowed out of the workplace.

**Precautionary Statements – Response**

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

If EXPOSED OR CONCERNED: Get medical advice/ attention.

If SKIN IRRITATION OCCURS: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

If SWALLOWED: Do not induce vomiting. Call a poison control center or doctor/physician immediately. Rinse Mouth

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: get medical advice/ attention.

**Precautionary Statements - Storage**

Store locked up

**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)**

None.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Permethrin	52645-53-1	Proprietary

Product contains a proprietary mixture of ingredients.

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

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention. Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin Contact</b>	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention.
<b>Inhalation</b>	Remove victim to fresh air. If you feel unwell, seek medical advice.
<b>Ingestion</b>	Rinse mouth with water. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

<b>Symptoms</b>	Not expected to present a significant hazard under anticipated conditions of normal use.
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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**

All extinguishing media allowed.

**Unsuitable Extinguishing Media** Not applicable.

**Specific Hazards Arising from the Chemical**

Under fire conditions, may produce gases such as hydrogen chloride and oxides of carbon and nitrogen.

**Protective Equipment and Precautions for Firefighters**

Do not enter fire area without proper protective equipment, including respiratory protection.

**Specific fire-fighting methods:**

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures**

<b>Personal Precautions</b>	Isolate from fire, if possible, without unnecessary risk. Wear safety glasses, gloves, and protective clothing.
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**Methods and Material for Containment and Cleaning Up**

<b>Methods for Containment</b>	Contain released substance, pump into suitable containers.
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<b>Methods for Cleaning Up</b>	This material and its container must be disposed of in a safe way, and as per local legislation.
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**7. HANDLING AND STORAGE****Precautions for Safe Handling**

<b>Advice on Safe Handling</b>	Comply with all legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.
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**Conditions for Safe Storage, Including any Incompatibilities**

<b>Storage Conditions</b>	Keep container closed when not in use. Comply with all applicable regulations. Store in a cool area.
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<b>Incompatible Materials</b>	Oxidizing agents, strong acids, and strong bases.
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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Product contains no ingredients with occupational exposure limits.

**Appropriate Engineering Controls**

<b>Engineering Controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.
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**Individual Protection Measures, such as Personal Protective Equipment**

<b>Eye/Face Protection</b>	Safety glasses.
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<b>Skin and Body Protection</b>	Gloves, protective clothing.
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<b>Respiratory Protection</b>	Not necessary.
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**General Hygiene Considerations** Use appropriate personal protective equipment when risk assessment indicates this is necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	Opaque liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6.0 – 7.0	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not available	
Flash Point	>200 °F - closed cup	
Evaporation Rate	Not established	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	0.996	(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

Under normal conditions of storage and use, hazardous reactions will not occur.

### 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 extreme heat.

### Incompatible Materials

Strong oxidizers, acids, and bases.

### Hazardous Decomposition Products

Under fire conditions, may produce gases such as hydrogen chloride and oxides of carbon and nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### **Product Information**

<b>Eye Contact</b>	Direct contact with eyes is likely irritating.
<b>Skin Contact</b>	May cause an allergic skin reaction.
<b>Inhalation</b>	May cause respiratory irritation if inhaled.
<b>Ingestion</b>	May cause gastrointestinal complaints, cramps, uncontrolled muscular contractions, nausea, and vomiting if ingested.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Permethrin 52645-53-1	500 mg/kg ( Rat )		1.50 mg/L ( Rat ) 4 h

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

<b>Symptoms</b>	May cause respiratory irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking. Direct contact with eyes is likely irritating. May cause gastrointestinal complaints, cramps, uncontrolled muscular contractions, nausea, and vomiting.
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**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

<b>Germ Cell Mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	This material is not listed as a carcinogen by IARC, NTP, or OSHA.
<b>STOT - Single Exposure</b>	No data available.
<b>Chronic Toxicity</b>	No data available.
<b>Aspiration Hazard</b>	No data available.

**Numerical Measures of Toxicity**

Not determined

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

No data available.

**Component Information**

Not determined

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined.

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in a safe manner and in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in a safe manner and 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**

Not Regulated.

**IATA**

Not Regulated.

**IMDG**

Not Regulated.

**15. REGULATORY INFORMATION****International Inventories**

Not Determined

**US Federal Regulations**

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65):**  
Permethrin, CAS No. 52645-53-1

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 313, 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:** None.

**California Prop 65:** Contains no ingredients known to the state of California to cause reproductive or birth defects.

**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)  
NONE

**FIFRA information**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

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Not determined

**HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Not determined

Revision Date

5-May-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**