



SAFETY DATA SHEET

Revision Date 12-June-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 4887-ES Misticide

UN/ID No UN 1950
Product Code 4887-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

Aspiration Hazard	Category 1
Skin Irritation	Category 2
Eye Irritation	Category 2
Skin Sensitization	Category 1
Flammable Aerosols	Category 2
Gasses under pressure	Liquefied gas

Signal Word

Danger

Hazard Statements

Keep out of reach of children
Read label and SDS before using
Flammable aerosol
Contains gas under pressure; may explode if heated
May be fatal if swallowed and enters airways
Causes skin and serious eye irritation



Appearance white liquid**Physical State** Liquid**Odor** Insecticidal**Precautionary Statements - Prevention**

Avoid breathing mist or spray.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, and eye/face protection.
Contaminated clothing must not be allowed out of the workplace.
Keep away from heat, sparks, open flames, and 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.

Precautionary Statements - Response

LEAKING GAS FIRE: Do not extinguish unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.
IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash 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.

Precautionary Statements - Storage

Store locked up
Protect from sunlight
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Defatting to the skin

Other Hazards**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Propane	74-98-6	Proprietary
Hydrotreated Petroleum Distillates	64742-47-8	Proprietary
Butane	106-97-8	Proprietary
Piperonyl Butoxide	51-03-6	Proprietary
Pyrethrins	8003-34-7	Proprietary

Product contains a proprietary mixture of ingredients.

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

DANGER. Flammable. Contents under pressure. Harmful or fatal if swallowed. Aspiration hazard if swallowed. Keep away from heat and flame. Can cause nervous system depression.

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing another ten minutes. Get medical attention if irritation persists.
Skin Contact	Wash skin with soap and plenty of water, while removing contaminated clothing and shoes. Wash items before reuse. If irritation occurs, get medical attention.
Inhalation	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. If symptoms persist, call a physician.
Ingestion	Harmful or fatal if swallowed. Seek medical attention immediately. Aspiration hazard – this material can enter the lungs during swallowing or vomiting and cause lung inflammation and damage.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Aspiration may cause pulmonary edema and pneumonitis.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam, carbon dioxide or dry chemical extinguisher, or water spray (fog). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Do not use water jet.

Specific Hazards Arising from the Chemical

Flammable aerosol. 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. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products

Carbon dioxide, Carbon monoxide

Specific fire-fighting methods

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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	Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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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. May require excavation of severely contaminated soil. Avoid discharge into drains, water courses, or onto the ground.
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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**

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. Do not pierce or burn, even after use. 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 this product must be grounded. Do not reuse empty containers. Use personal protection recommended in Section 8. Wear eye/face protection. Avoid contact with skin, eyes or clothing. Avoid breathing vapors. Avoid breathing mists. Use only in well-ventilated areas.

Conditions for Safe Storage, Including any Incompatibilities**Storage Conditions**

Level 3 aerosol. Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep in properly labeled containers. Store locked up.

Incompatible Materials

Caustic soda, caustic potash, liquid oxygen or other oxidizing materials, alkali metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propane 74-98-6	1000ppm	TWA: 1800 mg/m3	-
Hydrotreated Petroleum Distillate 64742-47-8		TWA: 100ppm	
Butane 106-97-8	STEL: 1000ppm		TWA: 1900mg/m3
Pyrethrins	5mg/m3	5mg/m3	

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, to prevent skin contact. Wear protective Neoprene™ gloves, Rubber gloves.

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	Gas, Aerosol	Odor	Insecticidal
Appearance	Milky white liquid after release	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	>170F Liquid portion	
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 established	
Specific Gravity	.9 estimated	(1=Water)
Water Solubility	Insoluble 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 available	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization	Hazardous polymerization does not occur.
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Conditions to Avoid

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

Incompatible Materials

Acids and strong oxidizers

Hazardous Decomposition Products

May release CO_x, smoke, and noxious vapors when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact	Causes eye irritation. Symptoms include stinging, tearing, and redness.
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Skin Contact	Causes skin irritation. Prolonged contact may dry the skin and cause sensitization. Symptoms may include redness, burning, drying of skin and skin burns.
Inhalation	High vapor or aerosol concentrations are irritating to the eyes and respiratory tract. May cause nose, throat, and respiratory tract irritation, coughing, and headache.
Ingestion	May be harmful or fatal if swallowed. Aspiration hazard – this material can enter the lungs during swallowing or vomiting and cause lung inflammation and damage.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butane 106-97-8	-	-	= 1355 mg/L (Rat) 2 h
Distillates(Petroleum) Solvent- dewaxed Heavy Paraffinic 64742-65-0	5000mg/kg (Rat)	>2000mg/kg, 24 Hours (Rabbit)	
Distillates(Petroleum), Straight-run Middle 64741-44-2		>2000mg/kg, 24 Hours (Rabbit)	1.72mg/l, 4 Hours (Rat)
Propane 74-98-6			658mg/l, 4 Hours (Rat)
Solvent Naptha (Petroleum), Light Aromatic 64742-95-6	4820mg/kg	>1900mg/kg, 24 Hours (Rabbit)	4.96mg/l, 4 Hours (Rat)

Information on Physical, Chemical and Toxicological Effects

Symptoms	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

Germ Cell Mutagenicity	May cause genetic defects.
Carcinogenicity	This material is not listed as a carcinogen by IARC, NTP, or OSHA.
STOT - Single Exposure	Not classified.
Chronic Toxicity	None known.
Aspiration Hazard	May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

This product is toxic to fish and aquatic invertebrates.

Persistence and Degradability

Not determined

Bioaccumulation

Product/Ingredient Name	LogP	BCF	Potential
Butane	2.89	-	-
Propane	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.

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	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Packing Group	N/A

IATA

UN/ID No	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Packing Group	N/A

IMDG

UN/ID No	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Packing Group	N/A

15. REGULATORY INFORMATION

U.S. 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.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not Regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Pyrethrins Listed

SARA 304 Emergency Release Notification

Not Regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories

Immediate Hazard –Yes
 Delayed Hazard –Yes
 Fire Hazard – Yes
 Pressure Hazard – Yes
 Reactivity Hazard – No

SARA 302 Extremely Hazardous Substance

Not Listed

SARA 311/312 Hazardous Chemical

No

SARA 313(TRI Reporting)

Chemical Name

Piperonyl Butoxide

CAS Number

51-03-6

% by weight

2

Other Federal Regulations

FIFRA information

This chemical is a pesticide registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the 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.

Signal word: Caution

Precautionary statement: Causes moderate eye irritation. Harmful if absorbed through the skin, swallowed, or inhaled.

U.S. State Regulations

U.S. Massachusetts RTK – Substance List

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

U.S. New Jersey Worker and Community Right-to-Know Act

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

U.S. Pennsylvania Worker and Community Right-to-Know Act

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

U.S. Rhode Island RTK

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

U.S. California Proposition 65

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

U.S. – California Proposition 65 – CRT: Listed date/Carcinogenic Substance

Benzene (CAS 71-43-2)

Listed: February 27, 1987

Cumene (CAS 98-82-8)

Listed: April 6, 2010

U.S. – California Proposition 65 – CRT: Listed date/ Developmental Toxin

Benzene (CAS 71-43-2)

Listed: December 26, 1997

U.S. – California Proposition 65 – CRT: Listed date/ Female Reproductive Toxin

Toluene (CAS 108-88-3)

Listed: August 7, 2009

U.S. – California Proposition 65 – CRT: Listed date/ Male Reproductive Toxin

Benzene (CAS 71-43-2)

Listed: December 26, 1997

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

2

Flammability

4

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

2

Flammability

4

Physical Hazards

0

Personal Protection

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Revision Date

12-June-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