



# SAFETY DATA SHEET

Revision Date 10-June-2015

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 1198 Break-A-Way

**UN/ID No** UN 1950  
**Product Code** 1198

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

**Recommended Use** Industrial lubricant.

### 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

Flammable Aerosols	Category 1
Aspiration Hazard	Category 1
Carcinogenicity	Category 1B
Germ Cell Mutagenicity	Category 1B
Reproductive Toxicity (the unborn child)	Category 2

### Signal Word

**Danger**

### Hazard Statements

Extremely flammable aerosol  
May be fatal if swallowed and enters airways  
May cause genetic defects  
May cause cancer  
Suspected of damaging the unborn child



**Appearance** Water white liquid

**Physical State** Liquid

**Odor** Solvent

**Precautionary Statements - Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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.

Wear protective gloves, protective clothing, eye protection, and face protection.

**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.

**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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Distillates (petroleum), Straight-run Middle	64741-44-2	Proprietary
C12-C14 Isoalkanes	68551-19-9	Proprietary
Butane	106-97-8	Proprietary
Propane	74-98-6	Proprietary
Distillates (Petroleum) Solvent-dexaxed Heavy Paraffinic	64742-65-0	Proprietary
Solvent Naptha (Petroleum), Light Aromatic	64742-95-6	Proprietary
Toluene	108-88-3	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.

**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 occurs.

**Skin Contact**

Wash skin with soap and plenty of water, while removing contaminated clothing and shoes. Wash items before reuse. If irritation persists, 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**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention if symptoms occur.

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

Aspiration may cause pulmonary edema and pneumonitis.

**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.

**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**

Vapor concentrated in a confined or poorly ventilated area can be ignited upon contact with a high energy spark, flame, or high intensity heat source. In a fire or if heated, a pressure increase will occur and the container may burst.

**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.

**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.

**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**

<b>Storage Conditions</b>	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.
<b>Incompatible Materials</b>	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		TWA: 1800 mg/m3	-
Toluene 108-88-3	TWA: 20ppm	TWA: 200ppm	TWA: 375mg/m3 STEL: 560mg/m3
Butane 106-97-8	STEL: 1000ppm		TWA: 1900mg/m3

**Appropriate Engineering Controls**

<b>Engineering Controls</b>	Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.
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**Individual Protection Measures, such as Personal Protective Equipment**

<b>Eye/Face Protection</b>	Goggles or face shield.
<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>	Use self-contained breathing apparatus if there is a heavy vapor about 300 ppm.
<b>General Hygiene Considerations</b>	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**

<b>Physical State</b>	Gas, Aerosol	<b>Odor</b>	Solvent
<b>Appearance</b>	Water white liquid after release	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Water white		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	157.22 °C / 315 °F		
Flash Point	-156 °F [Pensky-Martens]		
Evaporation Rate	Not established		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	9.5% estimated		
Lower Flammability Limit	1.5% estimated		
Vapor Pressure	30.59psig @ 70F estimated		
Vapor Density	Not established		
Specific Gravity	1.26 estimated	(1=Water)	
Water Solubility	Insoluble in water		
Solubility in Other Solvents	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 available
<b>Oxidizing Properties</b>	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.

### Conditions to Avoid

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

### Incompatible Materials

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

### Hazardous Decomposition Products

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

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### **Product Information**

#### **Eye Contact**

Causes eye irritation.

#### **Skin Contact**

Causes skin irritation.

#### **Inhalation**

Harmful if inhaled.

#### **Ingestion**

May be harmful if swallowed.

### Component Information

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
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.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Germ Cell Mutagenicity** May cause genetic defects.

**Carcinogenicity** May cause cancer.  
Toluene CAS 108-88-3  
3 Not classifiable as carcinogenic to humans.

**STOT - Single Exposure** Not classified.

**Chronic Toxicity** Prolonged exposure may cause chronic effects.

**Aspiration Hazard** May be fatal if swallowed and enters airways.

**Numerical Measures of Toxicity**

Not determined

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

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

Components	Species	Test Results
Distillates (Petroleum) Solvent-dewaxed Heavy Paraffinic 64742-65-0	Daphnia	1000.0001mg/L, 48 Hours
Solvent Naptha (Petroleum), Light Aromatic 64742-95-6	Daphnia	6.14 mg/L, 48 Hours
Toluene 108-88-3	Algae	433.0001 mg/L, 72 Hours
	Daphnia	7.645mg/L, 48 Hours
	Water Flea (Daphnia magna)	5.46-9.83mg/L, 48 Hours
	Silver Salmon	8.11mg/L, 96 Hours

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Product/Ingredient Name	LogP	BCF	Potential
Butane	2.89	-	-
Propane	2.36	-	-
Toluene	2.73	-	-

**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.
<b>Contaminated Packaging</b>	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**

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

**IATA**

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

**IMDG**

<b>UN/ID No</b>	UN 1950
<b>Proper Shipping Name</b>	Aerosols
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	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)**

Toluene (CAS 108-88-3) 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 – No  
 Reactivity Hazard – No

**SARA 302 Extremely Hazardous Substance**

Not Listed

**SARA 311/312 Hazardous Chemical**

No

**SARA 313(TRI Reporting)**

Chemical Name	CAS Number	% by weight
1,2,4-Trimethyl Benzene	95-63-6	0.1 – 1
Toluene	108-88-3	0.1 – 1
Benzene	71-43-2	0.01 - 0.1

**Other Federal Regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Toluene (CAS 108-88-3)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA) Not Regulated****Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Toluene (CAS 108-88-3) 6594

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Toluene (CAS 108-88-3) 35%WV

**DEA Exempt Chemical Mixtures Code Number**

Toluene (CAS 108-88-3) 594

**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

**International Inventories**

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances(AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Notified Commercial Chemical Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States and Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. OTHER INFORMATION**

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

Revision Date 10-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**