



# SAFETY DATA SHEET

Revision Date 23-September-2014

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 10B Radiator Stripper

**UN/ID No** UN3262  
**Product Code** 10B

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

**Recommended Use** Metal 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 Corrosion/Irritation         | Category 1 Sub-category B |
| Serious Eye Damage/Eye Irritation | Category 1                |

### Signal Word

**DANGER**

### Hazard Statements

Causes severe skin burns and eye damage



**Appearance** Light yellow to white

**Physical State** Solid

**Odor** Caustic solvent

### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

### Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Harmful to aquatic life with long lasting effects

Harmful to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS No    | Weight-%    |
|---------------------|-----------|-------------|
| Sodium Hydroxide    | 1310-73-2 | Proprietary |
| Sodium Metasilicate | 6834-92-0 | Proprietary |

Product contains a proprietary mixture of ingredients.

### 4. FIRST AID MEASURES

**First Aid Measures**

|                       |                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.                                                                                                                                                |
| <b>Eye Contact</b>    | Wash eyes immediately with large amount of water, lifting upper and lower lids occasionally. Get medical attention immediately.                                                                     |
| <b>Skin Contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If irritation persists, seek medical attention. |
| <b>Inhalation</b>     | Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.                                                                                      |
| <b>Ingestion</b>      | Do not induce vomiting. If person is conscious, give large quantities of water, milk, or an acidic beverage. Get medical attention immediately.                                                     |

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

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | EYES AND SKIN: Irritation to eyes, nose, and throat. Causes skin irritation and corrosive action upon body tissue.<br><br>INGESTION: Causes severe burns to mouth, throat, and stomach. |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Indication of any Immediate Medical Attention and Special Treatment Needed**

|                           |                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Note to Physicians</b> | Prolonged exposure will cause severe burns with scarring. Contact to eyes cause rapid tissue destruction leading to permanent eye damage and possible blindness. |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Foam, carbon dioxide or dry chemical extinguisher.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Product is not flammable.

UNUSUAL FIRE AND EXPLOSION HAZARD: Acid, flammable liquids, organic halogenated compounds and, contact with nitro compounds, may form shock sensitive salts.

### 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. Use air-supplied equipment for enclosed areas.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Environmental Precautions** See Section 12 for additional ecological information.

### Methods and Material for Containment and Cleaning Up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Contain with inert material.

**Methods for Cleaning Up** Sweep up and shovel into suitable containers for disposal. 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. When dissolving in water, add product slowly to surface of water with constant stirring. Avoid violent spattering. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Wash face, hands, and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing. Use only with adequate ventilation.

### 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 store or mix with strong oxidants.

**Incompatible Materials** Acids, Oxidizing materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                 | ACGIH TLV                    | OSHA PEL                                                           | NIOSH IDLH                                                 |
|-------------------------------|------------------------------|--------------------------------------------------------------------|------------------------------------------------------------|
| Sodium Hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>(vacated) Ceiling: 2 mg/m <sup>3</sup> | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup> |

**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** Splash goggles or safety glasses.

**Skin and Body Protection** Wear rubber or neoprene gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** Nuisance dust mask 3M type 8710 or equivalent.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.

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

|                       |                       |                       |                 |
|-----------------------|-----------------------|-----------------------|-----------------|
| <b>Physical State</b> | Solid / Powder        | <b>Odor</b>           | Caustic solvent |
| <b>Appearance</b>     | Light yellow to white | <b>Odor Threshold</b> | Not determined  |
| <b>Color</b>          | Light yellow to white |                       |                 |

| <b><u>Property</u></b>              | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|-------------------------------------|----------------------|--------------------------------|
| <b>pH</b>                           | 12.8 – 13.2          |                                |
| <b>Melting Point/Freezing Point</b> | Not available        |                                |
| <b>Boiling Point/Boiling Range</b>  | Not determined       |                                |
| <b>Flash Point</b>                  | None                 |                                |
| <b>Evaporation Rate</b>             | Not determined       |                                |
| <b>Flammability (Solid, Gas)</b>    | Not determined       |                                |
| <b>Upper Flammability Limits</b>    | Not available        |                                |
| <b>Lower Flammability Limit</b>     | Not available        |                                |
| <b>Vapor Pressure</b>               | Not available        |                                |
| <b>Vapor Density</b>                | Not available        |                                |
| <b>Specific Gravity</b>             | Not applicable       | (1=Water)                      |
| <b>Water Solubility</b>             | Soluble 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**

Not reactive under normal conditions. Acid, flammable liquids, organic halogenated compounds and, contact with nitro compounds, may form shock sensitive salts.

**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**

Contact with incompatible materials.

**Incompatible Materials**

Acids, Oxidizing materials.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure****Product Information**

**Eye Contact** Causes severe eye damage.

**Skin Contact** Causes severe skin burns.

**Inhalation** May cause irritation to the mucous membranes and upper respiratory tract.

**Ingestion** May cause burns to mouth and gastrointestinal corrosion.

**Component Information**

| Chemical Name                    | Oral LD50                   | Dermal LD50                | Inhalation LC50                                                |
|----------------------------------|-----------------------------|----------------------------|----------------------------------------------------------------|
| Sodium Hydroxide<br>1310-73-2    | -                           | = 1350 mg/kg ( Rabbit )    | -                                                              |
| Sodium Metasilicate<br>6834-92-0 | = 1,152-1,349 mg/kg ( Rat ) | = Corrosive ( Rabbit ) 4 h | = Does not cause skin sensitization<br>( Mouse ) In vivo assay |

**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**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

| Chemical Name                    | Algae/aquatic plants | Fish                                            | Toxicity to microorganisms | Crustacea |
|----------------------------------|----------------------|-------------------------------------------------|----------------------------|-----------|
| Sodium hydroxide<br>1310-73-2    |                      | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static |                            |           |
| Sodium Metasilicate<br>6834-92-0 |                      | 210: 96 h Zebra Fish mg/L LC50 semi-static      |                            |           |

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**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.

| Chemical Name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| Sodium hydroxide<br>1310-73-2 | Toxic<br>Corrosive                |

**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** UN3262  
**Proper Shipping Name** Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** II  
**Reportable Quantity (RQ)** 5000 lbs

**IATA**

**UN/ID No** UN3262  
**Proper Shipping Name** Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** II

**IMDG**

**UN/ID No** UN3262  
**Proper Shipping Name** Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** II

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

Not Determined

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - 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**

| Chemical Name                 | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|-------------------------------|--------------------------|----------------|-------------------------------------------|
| Sodium hydroxide<br>1310-73-2 | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**SARA 311/312 Hazard Categories**

Acute health hazard

Yes

**SARA 313**

Not determined

**CWA (Clean Water Act)**

| Component                     | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide<br>1310-73-2 | 1000 lb                     |                        |                           | X                          |

**US State Regulations****U.S. State Right-to-Know Regulations**

| Chemical Name                        | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------------|------------|---------------|--------------|
| Sodium hydroxide<br>1310-73-2        | X          | X             | X            |
| Sodium Metasilicate<br>6834-92-0     | X          |               | X            |
| Sodium Tripolyphosphate<br>7758-29-4 | X          | X             | X            |

**16. OTHER INFORMATION****NFPA**

Health Hazards

Flammability

Instability

Special Hazards

3

0

1

Not determined

**HMIS**

Health Hazards

Flammability

Physical Hazards

Personal Protection

3

0

1

Not determined

Revision Date

23-September-2014

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