



SAFETY DATA SHEET

Issue Date 08-Mar-2013

Revision Date 11-June-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 655-ES Grill Brite RTU

UN/ID No UN3266

Product Code 655-ES

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Oven and grill 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 Clear amber liquid

Physical State Liquid

Odor Detergent

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

May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---------------------|-----------|-------------|
| Potassium hydroxide | 1310-58-3 | Proprietary |
| Sodium Silicate | 1344-09-8 | Proprietary |

Product contains a proprietary mixture of ingredients.

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

| | |
|-----------------------|--|
| General Advice | Provide this SDS to medical personnel for treatment. |
| Eye Contact | Flush with plenty of water for at least 15 minutes. See physician immediately. |
| Skin Contact | Immediately remove all contaminated clothing and wash skin thoroughly with large amounts of water for minimum of 15 minutes. Neutralize with diluted boric or acetic acid (vinegar), rinse with water again. Get medical attention if irritation occurs. |
| Inhalation | Remove to fresh air. Seek immediate medical attention/advice. |
| Ingestion | Do not induce vomiting. Drink large quantities of water or milk. Follow with diluted vinegar or fruit juice. Seek physician immediately. |

Most Important Symptoms and Effects, both Acute and Delayed

| | |
|-----------------|---|
| Symptoms | Irritation to skin / eye. Varying degrees of irritation of the respiratory tract tissues. Irritation and corrosive burns to mouth, throat, and stomach. |
|-----------------|---|

Indication of any Immediate Medical Attention and Special Treatment Needed

| | |
|---------------------------|------------------------|
| Note to Physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, carbon dioxide or dry chemical extinguisher, or water.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is not flammable.

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 Wear protective clothing as described in Section 8 of this safety data sheet.

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 and absorb with suitable absorbent for disposal.

Methods for Cleaning Up Soak up with inert absorbent material. Reclaim spilled material into approved container for proper disposal. Remaining material may be neutralized. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Advice on Safe Handling Use personal protection recommended in Section 8. Wash face, hands, and any exposed skin thoroughly after handling. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

Incompatible Materials Can react violently with chlorinated hydrocarbons, organic and inorganic acid.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------------|------------------------------|--|------------------------------|
| Potassium hydroxide 1310-58-3 | Ceiling: 2 mg/m ³ | (vacated) Ceiling: 2 mg/m ³ | Ceiling: 2 mg/m ³ |

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

| | |
|---------------------------------------|--|
| Eye/Face Protection | Goggles or face shield. |
| Skin and Body Protection | Wear protective Neoprene™ gloves, Rubber gloves. |
| Respiratory Protection | Ensure adequate ventilation, especially in confined areas. |
| General Hygiene Considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | | | |
|------------------------------|--------------------|-------------------------|----------------|
| Physical State | Liquid | Odor | Detergent |
| Appearance | Clear amber liquid | Odor Threshold | Not determined |
| Color | Clear amber | | |
| Property | Values | Remarks • Method | |
| pH | 12.0-12.9 | | |
| Melting Point/Freezing Point | Not available | | |
| Boiling Point/Boiling Range | 98.88 °C / 210 °F | | |
| Flash Point | None | | |
| Evaporation Rate | Not available | | |
| Flammability (Solid, Gas) | Not determined | | |
| Upper Flammability Limits | Not available | | |
| Lower Flammability Limit | Not available | | |
| Vapor Pressure | Not established | | |
| Vapor Density | Not available | | |
| Specific Gravity | 1.060 | (1=Water) | |
| Water Solubility | Completely soluble | | |
| 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

Not reactive under normal conditions. Will react with incompatible materials.

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

Keep out of reach of children.

Incompatible Materials

Can react violently with chlorinated hydrocarbons, organic and inorganic acid.

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 be harmful if swallowed. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------------------|----------------------|-------------------------|-----------------|
| Potassium hydroxide 1310-58-3 | = 214 mg/kg (Rat) | - | - |
| Sodium Silicate 1344-09-8 | = 1153 mg/kg (Rat) | > 4640 mg/kg (Rabbit) | - |

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

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|----------------------------------|----------------------|---|----------------------------|--------------------------------------|
| Potassium hydroxide 1310-58-3 | | 80: 96 h Gambusia affinis mg/L LC50 static | | |
| Sodium Silicate 1344-09-8 | | 301 - 478: 96 h Lepomis macrochirus mg/L LC50 3185: 96 h Brachydanio rerio mg/L LC50 semi-static | | 216: 96 h Daphnia magna mg/L EC50 |

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

| Chemical Name | Partition Coefficient |
|---------------|-----------------------|
|---------------|-----------------------|

| | |
|----------------------------------|--------------|
| Potassium hydroxide 1310-58-3 | 0.65 0.83 |
|----------------------------------|--------------|

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 |
|----------------------------------|-----------------------------------|
| Potassium hydroxide 1310-58-3 | Toxic 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 UN3266
Proper Shipping Name Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide, Sodium silicate)
Hazard Class 8
Packing Group II
Reportable Quantity (RQ) 1000 lbs (Potassium hydroxide)

IATA

UN/ID No UN3266
Proper Shipping Name Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide, Sodium silicate)
Hazard Class 8
Packing Group II

IMDG

UN/ID No UN3266
Proper Shipping Name Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide, Sodium silicate)
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****CERCLA**

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|----------------------------------|--------------------------|----------------|---|
| Potassium hydroxide 1310-58-3 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

SARA 313

Not determined

CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium hydroxide 1310-58-3 (Proprietary) | 1000 lb | | | X |

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

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Potassium hydroxide 1310-58-3 | X | X | X |

16. OTHER INFORMATION

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

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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