



SAFETY DATA SHEET

Revision Date 11-February-2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 4567-ES Bathroom Cleaner

UN/ID No UN3264
Product Code 4567-ES

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Cleaning agent.

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 1C |
| Serious Eye Damage/Eye Irritation | Category 2A |
| Corrosive to Metals | Category 1 |
| Specific Target Organ Toxicity – Single Exposure | Category 3 |

Signal Word

DANGER

Hazard Statements

Causes severe skin burns and eye damage.
Causes serious eye irritation.
May be corrosive to metals.
May cause respiratory irritation.



Appearance Clear Blue Liquid

Physical State Liquid

Odor Sassafrass

Precautionary Statements - Prevention

Use only outdoors or in a well-ventilated area
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-% |
|-------------------|-----------|-------------|
| Phosphoric Acid | 7664-38-2 | Proprietary |
| Hydrochloric Acid | 7647-01-0 | 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 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, seek medical attention. |
| Inhalation | Remove to fresh air. Seek immediate medical attention/advice. |
| Ingestion | Do NOT induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution; or if they are not available, drink large quantities of water. Avoid alcohol. |

Most Important Symptoms and Effects, both Acute and Delayed

| | |
|-----------------|---|
| Symptoms | Burning and/or irritation to eyes and skin. Irritation and corrosive burns to mouth, throat, and stomach. May cause irritation to the mucous membranes and upper respiratory tract. |
|-----------------|---|

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. Neutralize with a lime or soda ash and flush area with large amounts of water.

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. Use only in well-ventilated areas. 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 Bases, Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------------|---|---|---|
| Phosphoric acid 7664-38-2 | STEL: 3 mg/m ³ TWA: 1 mg/m ³ | TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³ | IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³ |
| Hydrochloric Acid 7647-01-0 | STEL: 2 ppm | TWA: 5 ppm STEL: 7 mg/m ³ | TWA: 5 ppm STEL: 7 mg/m ³ |

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 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 | Sassafrass |
| Appearance | Clear Liquid | Odor Threshold | Not determined |
| Color | Blue | | |
| Property | Values | Remarks • Method | |
| pH | 2.0 – 3.0 | | |
| Melting Point/Freezing Point | Not available | | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | | |
| Flash Point | Not available | | |
| Evaporation Rate | Not available | | |
| Flammability (Solid, Gas) | Not determined | | |
| Upper Flammability Limits | Not available | | |
| Lower Flammability Limit | Not available | | |
| Vapor Pressure | Same as water | | |
| Vapor Density | Same as water | | |
| Specific Gravity | 1.044 | (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**

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

Bases, Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on Likely Routes of Exposure****Product Information****Eye Contact**

Causes serious eye damage.

Skin Contact

Causes severe skin burns.

Inhalation

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

Ingestion

Can cause irritation and corrosive burns to mouth, throat, and stomach.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------|----------------------|-------------------------|-------------------------------------|
| Phosphoric acid 7664-38-2 | = 1530 mg/kg (Rat) | = 2730 mg/kg (Rabbit) | > 850 mg/m ³ (Rat) 1 h |

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 |
|--------------------------------|----------------------|--|----------------------------|-----------------------------------|
| Phosphoric acid 7664-38-2 | | 3 - 3.5: 96 h Gambusia affinis mg/L LC50 | | 4.6: 12 h Daphnia magna mg/L EC50 |
| Hydrochloric Acid 7647-01-0 | - | 282: 96 h Gambusia affinis mg/L LC50 | - | - |

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

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.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name | California Hazardous Waste Status |
|--------------------------------|-----------------------------------|
| Phosphoric acid 7664-38-2 | Corrosive |
| Hydrochloric Acid 7647-01-0 | Corrosive Toxic Reactive |

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 UN3264
 Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Contains Hydrochloric Acid)
 Hazard Class 8
 Packing Group II

IATA

UN/ID No UN3264
 Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Contains Hydrochloric Acid)
 Hazard Class 8
 Packing Group II

IMDG

| | |
|-----------------------------|--|
| UN/ID No | UN3264 |
| Proper Shipping Name | Corrosive liquid, acidic, inorganic, n.o.s. (Contains Hydrochloric Acid) |
| 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/NDL - 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) |
|------------------------------|--------------------------|----------------|--|
| Phosphoric acid 7664-38-2 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-------------------|-----------|-------------|-------------------------------|
| Hydrochloric Acid | 7647-01-0 | Proprietary | 1.0 |

CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Phosphoric acid 7664-38-2 | 5000 lb | | | X |

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

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------|------------|---------------|--------------|
| Phosphoric acid 7664-38-2 | X | X | X |
| Hydrochloric Acid 7647-01-0 | X | X | X |

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

2

Flammability

0

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

2

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

Revision Date

11-February-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