



SAFETY DATA SHEET

Revision Date 21-Aug-2020

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Foremost 1691-ES Quad-Dis Plus
EPA Registration No. 1203-40

UN/ID No
Product Code 1691-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 1A
Acute toxicity	Category 4
Serious eye damage	Category 1

Signal Word

DANGER

Hazard Statements

Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.



Appearance Clear blue liquid

Physical State Liquid

Odor Detergent

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep container tightly closed

Precautionary Statements - Response

If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting

Precautionary Statements - Storage

Keep away from extreme heat. Store below 110°F.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed
May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Alkyl dimethyl benzyl ammonium chloride (C 12-16)	68424-85-1	10-20%

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

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get immediate medical advice/attention.
Skin Contact	Immediately flush skin with plenty of water for 15 minutes. Remove contaminated clothing. If irritation persists, see physician.
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Ingestion	Do NOT induce vomiting unless directed by medical personnel. If vomiting occurs, lean patient forward to maintain an open airway & prevent aspiration. Drink promptly a large quantity of water.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	May cause skin and eye irritation. Direct contact with eyes may cause temporary irritation. May cause nausea, vomiting, stomach ache, and diarrhea.
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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 suitable protective equipment.

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. For waste disposal, see section 13 of the SDS. 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. 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

None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

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 None required.

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 blue liquid	Odor Threshold	Not determined
Color	Clear blue		
Property	Values	Remarks • Method	
pH	6.0 - 7.0		
Melting Point/Freezing Point	Not applicable		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	Not applicable		
Evaporation Rate	Not applicable		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not established		
Lower Flammability Limit	Not established		
Vapor Pressure	Not established		
Vapor Density	Not established		
Specific Gravity	1.00	(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.

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

None.

Hazardous Decomposition Products

None known based on information supplied.

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

Eye Contact	May cause eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Inhalation	Not applicable.
Ingestion	May cause irritation to mouth, throat, and stomach.

Component Information

No acute or chronic toxic effects expected when used according to directions.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alkyl dimethyl benzyl ammonium chloride (C 12-16) 68424-85-1	= 344 mg/kg (Rat)		> 0.054 mg/L (Rat) 4 h

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

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.
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Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Alkyl dimethyl benzyl ammonium chloride (C 12-16) 68424-85-1				0.016: 48 h Daphnia magna mg/L EC50

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.

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	UN1903
Proper Shipping Name	Disinfectants, Liquid, Corrosive, n.o.s. (Contains Quaternary Ammonium Chlorides)
Hazard Class	8
Packing Group	III

IATA

UN/ID No	UN1903
Proper Shipping Name	Disinfectants, Liquid, Corrosive, n.o.s. (Contains Quaternary Ammonium Chlorides)
Hazard Class	8
Packing Group	III

IMDG

UN/ID No	UN1903
Proper Shipping Name	Disinfectants, Liquid, Corrosive, n.o.s. (Contains Quaternary Ammonium Chlorides)
Hazard Class	8
Packing Group	III

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*

US Federal Regulations**SARA 313**

Not determined

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

Not Determined

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

3

Flammability

1

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

3

Flammability

1

Physical Hazards

0

Personal Protection

Not determined

Revision Date

21-Aug-2020

Revision Note

New format

NOTE: **This SDS reflects the product in its concentrated formulation. If end user properly dilutes product according to the instructions, the subsequent RTU is safe for use. Delta Foremost does not sell this product in a RTU form.

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