



# SAFETY DATA SHEET

Revision Date 11-March-2015

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Foremost 510 Carburetor Cleaner  
UN1710

**UN/ID No**

**Product Code** 510

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

**Recommended Use** Industrial 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

|  |             |
|--|-------------|
| Acute toxicity – Inhalation (Vapors)             | Category 4  |
| Acute toxicity – Oral                            | Category 4  |
| Acute toxicity – Dermal                          | Category 4  |
| Skin Corrosion/Irritation                        | Category 1C |
| Serious Eye Damage/Eye Irritation                | Category 2A |
| Germ Cell Mutagenicity                           | Category 2  |
| Carcinogenicity                                  | Category 1A |
| Specific target organ toxicity (single exposure) | Category 3  |
| Aspiration toxicity                              | Category 1  |
| Flammable Liquids                                | Category 3  |

### Signal Word

**DANGER**

### Hazard Statements

Harmful if inhaled  
Harmful if swallowed  
Harmful in contact with eyes  
Causes severe skin burns  
Causes serious eye irritation  
Suspected of causing genetic defects  
May cause cancer  
May cause respiratory irritation. May cause drowsiness or dizziness  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor



**Appearance** Clear green liquid

**Physical State** Liquid

**Odor** Chlorinated

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use only non-sparking tools.

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Get medical attention if irritation occurs  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation persists: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
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)**

May be harmful if swallowed

**Other Hazards**

Toxic to aquatic life with long lasting effects  
Toxic to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name     | CAS No    | Weight-%    |
|-------------------|-----------|-------------|
| Monochlorotoluene | 106-43-4  | Proprietary |
| Cresylic Acid     | 1319-77-3 | Proprietary |
| Trichloroethylene | 79-01-6   | Proprietary |
| Xylene            | 1330-20-7 | Proprietary |

Product contains a proprietary mixture of ingredients.

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

|                       |   |
|-----------------------|---|
| <b>General Advice</b> | If exposed or concerned: Get medical advice/attention. Provide this SDS to medical personnel for treatment.   |
| <b>Eye Contact</b>    | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.    |
| <b>Skin Contact</b>   | Flush with water while removing contaminated clothing and shoes before reuse. If irritation persists, get medical attention.  |
| <b>Inhalation</b>     | Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. If symptoms persist, call a physician.                   |
| <b>Ingestion</b>      | 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 immediately. |

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

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Liquid in eyes can cause pain and irritation. Corneal injury likely. May cause skin and eye irritation. Ingestion may result in irritation of mouth and gastrointestinal tract. Vomiting may cause chemical pneumonia. Overexposure by inhalation can cause irritation of the respiratory tract and adverse effects on the central nervous system. High concentrations or prolonged exposure can cause unconsciousness and death. |
|-----------------|---|

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

|                           |  |
|---------------------------|--|
| <b>Note to Physicians</b> | Alcoholism, acute and chronic kidney or liver disease, rhythmic disorders of the heart, neuritis and other disorders of the nervous system. Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage or even death due to chemical pneumonia. |
|---------------------------|--|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Foam, carbon dioxide or dry chemical extinguisher, or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**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.

**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. Avoid contact with skin and eyes and inhalation of vapors.

**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.

**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. 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**

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

**Incompatible Materials**                      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     |
|------------------------------|---|--|----------------|
| Cresylic Acid<br>1319-77-3   | TWA: 5 ppm<br>TWA: 20 mg/m <sup>3</sup> | TWA: 5 ppm<br>TWA: 22 mg/m <sup>3</sup>  | -              |
| Trichloroethylene<br>79-01-6 | STEL: 25 ppm<br>TWA: 10 ppm             | TWA: 100 ppm<br>(vacated) TWA: 50 ppm<br>(vacated) TWA: 270 mg/m <sup>3</sup><br>(vacated) STEL: 200 ppm<br>(vacated) STEL: 1080 mg/m <sup>3</sup><br>Ceiling: 200 ppm           | IDLH: 1000 ppm |
| Xylene<br>1330-20-7          | STEL: 150 ppm<br>TWA: 100 ppm           | TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 655 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**

|                                       |   |
|---------------------------------------|---|
| <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>        | Liquid              | <b>Odor</b>             | Chlorinated    |
| <b>Appearance</b>            | Clear green liquid  | <b>Odor Threshold</b>   | Not determined |
| <b>Color</b>                 | Green               |                         |                |
| <b>Property</b>              | <b>Values</b>       | <b>Remarks • Method</b> |                |
| pH                           | Not determined      |                         |                |
| Melting Point/Freezing Point | Not determined      |                         |                |
| Boiling Point/Boiling Range  | 86.66 °C / 188 °F   |                         |                |
| Flash Point                  | Not determined      |                         |                |
| Evaporation Rate             | Not established     |                         |                |
| Flammability (Solid, Gas)    | Not determined      |                         |                |
| Upper Flammability Limits    | Not applicable      |                         |                |
| Lower Flammability Limit     | Not determined      |                         |                |
| Vapor Pressure               | Not established     |                         |                |
| Vapor Density                | Not established     |                         |                |
| Specific Gravity             | 1.270               | (1=Water)               |                |
| Water Solubility             | Emulsifies 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.

|                                 |  |
|---------------------------------|--|
| <b>Hazardous Polymerization</b> | 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.

**Hazardous Decomposition Products**

Hydrogen chloride, and traces of chlorine or phosgene gases.

**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure****Product Information****Eye Contact** Causes serious eye irritation.**Skin Contact** Causes severe skin burns.**Inhalation** Harmful if inhaled.**Ingestion** Harmful if swallowed.**Component Information**

| Chemical Name                 | Oral LD50            | Dermal LD50             | Inhalation LC50                                    |
|-------------------------------|----------------------|-------------------------|--|
| Monochlorotoluene<br>106-43-4 | = 2389 mg/kg ( Rat ) | -                       | -  |
| Trichloroethylene<br>79-01-6  | = 4290 mg/kg ( Rat ) | > 20 g/kg ( Rabbit )    | = 8000 ppm ( Rat ) 4 h = 26300<br>ppm ( Rat ) 1 h  |
| Xylene<br>1330-20-7           | = 4300 mg/kg ( Rat ) | > 1700 mg/kg ( Rabbit ) | = 5000 ppm ( Rat ) 4 h = 47635<br>mg/L ( Rat ) 4 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****Germ Cell Mutagenicity** Suspected of causing genetic defects.**Carcinogenicity** May cause cancer; The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Large doses caused malignant tumors in mice.

| Chemical Name                | ACGIH | IARC    | NTP                    | OSHA |
|------------------------------|-------|---------|------------------------|------|
| Trichloroethylene<br>79-01-6 | A2    | Group 1 | Reasonably Anticipated | X    |
| Xylene<br>1330-20-7          |       | Group 3 |                        |      |

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

**STOT - Single Exposure** May cause respiratory irritation. May cause drowsiness or dizziness.**Chronic Toxicity** Prolonged exposure above the OSHA permissible limits may result in liver and/or kidney damage.**Aspiration Hazard** May be fatal if swallowed and enters airways.

**Numerical Measures of Toxicity**

Not determined

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

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

**Component Information**

| Chemical Name                 | Algae/aquatic plants   | Fish   | Toxicity to microorganisms   | Crustacea  |
|-------------------------------|--|--|--|--|
| Monochlorotoluene<br>106-43-4 | 6.1: 72 h <i>Selenastrum capricornutum</i> mg/L EC50   | 6.1: 96 h <i>Oryzias latipes</i> mg/L LC50   |  | 2: 48 h <i>Daphnia magna</i> mg/L EC50   |
| Trichloroethylene<br>79-01-6  | 450: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50<br>175: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 | 31.4 - 71.8: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>39 - 54: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static   | EC50 = 0.81 mg/L 24 h<br>EC50 = 115 mg/L 10 min<br>EC50 = 190 mg/L 15 min<br>EC50 = 235 mg/L 24 h<br>EC50 = 410 mg/L 24 h<br>EC50 = 975 mg/L 5 min | 2.2: 48 h <i>Daphnia magna</i> mg/L EC50   |
| Xylene<br>1330-20-7           |  | 13.4: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>2.661 - 4.093: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static<br>13.5 - 17.3: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50<br>13.1 - 16.5: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through<br>19: 96 h <i>Lepomis macrochirus</i> mg/L LC50<br>7.711 - 9.591: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>23.53 - 29.97: 96 h <i>Pimephales promelas</i> mg/L LC50 static<br>780: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static<br>780: 96 h <i>Cyprinus carpio</i> mg/L LC50<br>30.26 - 40.75: 96 h <i>Poecilia reticulata</i> mg/L LC50 static | EC50 = 0.0084 mg/L 24 h  | 3.82: 48 h water flea mg/L EC50<br>0.6: 48 h <i>Gammarus lacustris</i> mg/L LC50 |

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

| Chemical Name                | Partition Coefficient |
|------------------------------|-----------------------|
| Trichloroethylene<br>79-01-6 | 2.29                  |
| Xylene<br>1330-20-7          | 2.77 - 3.15           |

**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                | RCRA | RCRA - Basis for Listing  | RCRA - D Series Wastes    | RCRA - U Series Wastes |
|------------------------------|------|---|---------------------------|------------------------|
| Trichloroethylene<br>79-01-6 | U228 | Included in waste streams:<br>F001, F002, F024, F025,<br>F039, K018, K019, K020 | 0.5 mg/L regulatory level | U228                   |
| Xylene<br>1330-20-7          |      | Included in waste stream:<br>F039   |                           | U239                   |

| Chemical Name                | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes   | RCRA - K Series Wastes |
|------------------------------|--------------------------------------|------------------------|--|------------------------|
| Trichloroethylene<br>79-01-6 | Category I - Volatiles               |                        | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent<br>filters and filter aids, and<br>spent desiccant wastes from<br>the production of certain<br>chlorinated aliphatic<br>hydrocarbons, by free radical<br>catalyzed processes. These<br>chlorinated aliphatic<br>hydrocarbons are those<br>having carbon chain lengths<br>ranging from one to and<br>including five, with varying<br>amounts and positions of<br>chlorine substitution. |                        |

| Chemical Name                | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Trichloroethylene<br>79-01-6 | Toxic                             |
| Xylene<br>1330-20-7          | Toxic<br>Ignitable                |

### 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 UN1710  
 Proper Shipping Name Trichloroethylene Solution  
 Hazard Class 6.1  
 Packing Group III

**IATA**

UN/ID No UN1710  
 Proper Shipping Name Trichloroethylene Solution  
 Hazard Class 6.1  
 Packing Group III



**IMDG**

|                             |                            |
|-----------------------------|----------------------------|
| <b>UN/ID No</b>             | UN1710                     |
| <b>Proper Shipping Name</b> | Trichloroethylene Solution |
| <b>Hazard Class</b>         | 6.1                        |
| <b>Packing Group</b>        | 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**PICCS - Philippines Inventory of Chemicals and Chemical Substances***US Federal Regulations****CERCLA**

| Chemical Name                | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)   |
|------------------------------|--------------------------|----------------|--|
| Trichloroethylene<br>79-01-6 | 100 lb 1 lb              |                | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ RQ 1 lb final RQ<br>RQ 0.454 kg final RQ |
| Xylene<br>1330-20-7          | 100 lb                   |                | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ  |

**SARA 313**

| Chemical Name     | CAS No    | Weight-%    | SARA 313 - Threshold Values % |
|-------------------|-----------|-------------|-------------------------------|
| Trichloroethylene | 79-01-6   | Proprietary | 0.1                           |
| Xylene            | 1330-20-7 | Proprietary | 1.0                           |
| Cresylic Acid     | 1319-77-3 | Proprietary | 1.0                           |

**CWA (Clean Water Act)**

| Component                    | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Trichloroethylene<br>79-01-6 | 100 lb                      | X                      | X                         | X                          |
| Xylene<br>1330-20-7          | 100 lb                      |                        |                           | X                          |

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical Name                | California Proposition 65 |
|------------------------------|---------------------------|
| Trichloroethylene<br>79-01-6 | Carcinogen                |

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

| Chemical Name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| Monochlorotoluene<br>106-43-4 | X          | X             | X            |
| Cresylic Acid<br>1319-77-3    | X          | X             | X            |
| Trichloroethylene<br>79-01-6  | X          | X             | X            |
| Xylene<br>1330-20-7           | X          | X             | X            |

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

3

2

0

Not determined

**HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

3

2

0

Not determined

**Revision Date**

11-March-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**