

Issue Date: 27-Mar-2015

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Version 4

## 1. IDENTIFICATION

|                                      |   |
|--------------------------------------|---|
| <b>Product Name</b>                  | <b>ASHBURN 9700 BIOSTABLE COOLANT</b>                                     |
| <b>Other means of identification</b> | A-9702-05    A-9702-55    A-9702-275 (blue)                               |
| <b>Recommended Use</b>               | Metalworking lubricant.   |
| <b>Supplier Address</b>              | Ashburn Chemical Technologies<br>7403 Wright Rd<br>Houston, TX 77041      |
| <b>Emergency Telephone Number</b>    | 832-399-1000  |
| <b>Emergency Telephone (24 hr)</b>   | INFOTRAC 1-352-323-3500 (International)<br>1-800-535-5053 (North America) |

## 2. HAZARDS IDENTIFICATION

**Classification** Classified according to the US OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (WHMIS 2015)

|   |             |
|---|-------------|
| Eye Irritation                          | Category 2A |
| Skin sensitization                      | Category 1B |
| Acute Toxicity - Inhalation (dust/mist) | Category 4  |

**Hazard Statements**

H319 Causes eye irritation  
 H317 May cause an allergic skin reaction  
 H332 Harmful if inhaled



### Precautionary Statements - Prevention

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P272 Contaminated work clothing should not be allowed out of the workplace  
 P271 Use only outdoors or in a well ventilated area.  
 P264 Wash face, hands and any exposed skin thoroughly after handling  
 P280 Wear protective gloves/protective clothing/eye protection/face protection

### Precautionary Statements - Response

P305+P351+P338  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337+P313 If eye irritation persists: Get medical advice/attention

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/Doctor if you feel unwell.

**Precautionary Statements - Disposal** P501 Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                        | CAS No     | Weight-% |
|--------------------------------------|------------|----------|
| Hydro treated naphthenic distillates | 64742-52-5 | 65-85    |
| 4-Chloro-m-cresol                    | 59-50-7    | 1-5      |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

#### First Aid Measures

|                       |  |
|-----------------------|--|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.   |
| <b>Eye Contact</b>    | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |
| <b>Skin Contact</b>   | Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.   |
| <b>Inhalation</b>     | Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. |
| <b>Ingestion</b>      | Do not induce vomiting without medical advice. Seek immediate medical attention/advice.  |

#### Most important symptoms and effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May cause skin and eye irritation. The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin. |
|-----------------|--|

#### Indication of any immediate medical attention and special treatment needed

|                           |  |
|---------------------------|--|
| <b>Notes to Physician</b> | May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact. |
|---------------------------|--|

### 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Suitable / Unsuitable Extinguishing Media</b>           | Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames. DO NOT use stream of water (could cause fire to spread).   |
| <b>Specific Hazards Arising from the Chemical</b>          | A mixture of liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion. |
| <b>Hazardous Combustion Products</b>                       | Smoke, Fume, Incomplete combustion products, Oxides of carbon.   |
| <b>Protective equipment / Precautions for firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.   |

### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Avoid contact with skin or eyes.<br>Do not breathe dust/fume/gas/mist/vapors/spray.<br>See SECTION 8 for Personal Protective Equipment.   |
| <b>Environmental Precautions</b> | Prevent entry into drains, waterways, rivers, lakes, sewers, basements or confined areas.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.<br>See SECTION 12 for Ecological Information.   |
| <b>Methods for Clean-Up</b>      | Use clean non-sparking tools to collect absorbed material.<br>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. Contain large spills and pump into a suitable tank for disposal. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. For waste disposal, see section 13 of the SDS. |

## 7. HANDLING AND STORAGE

|                                |   |
|--------------------------------|---|
| <b>Advice on Safe Handling</b> | Handle in accordance with good industrial hygiene and safety practice.<br>Avoid breathing fumes, vapors, mists, spray.<br>Wash face, hands, and any exposed skin thoroughly after handling.<br>Contaminated work clothing should not be allowed out of the workplace.<br>Wash contaminated clothing before reuse. |
| <b>Storage Conditions</b>      | Keep container tightly closed and store in a cool, dry and well-ventilated place.<br>Do not store in open or unlabeled containers.<br>Store away from heat and open flame. Storage temperature 5-40 °C (41-104°F)   |
| <b>Incompatible Materials</b>  | Oxidizing agents.   |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** The following information is given as general guidance

| Chemical  | ACGIH TLV               | OSHA PEL                | (US) NIOSH REL                 | Alberta  | British Columbia OELs   | Ontario OELs   | Quebec OELs   |
|---|-------------------------|-------------------------|--------------------------------|--|---|--|---|
| Petroleum distillates, hydrotreated heavy naphthenic (Mist)<br>64742-52-5 | TWA 5 mg/m <sup>3</sup> | TWA 5 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup><br>15 min | TWA 5 mg/m <sup>3</sup><br>8hr<br>STEL 10 mg/m <sup>3</sup> 15 min<br>Schedule 1, Table 2 7/2009 | TWA 0.2 mg/m <sup>3</sup> 8hr<br>STEL 10 mg/m <sup>3</sup> 15 min<br>(Revised 5-2013) | TWA 5 mg/m <sup>3</sup><br>8hr<br>STEL 10 mg/m <sup>3</sup> 15 min<br>Amended 6/2015 | TWA 5 mg/m <sup>3</sup><br>8hr<br>STEL 10 mg/m <sup>3</sup> 15 min<br>Amended 11/2011 |

**Legend:**

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**OSHA:** Occupational Safety and Health Administration  
**NIOSH:** National Institute for Occupational Safety and Health

**TLV:** Threshold Limit Value  
**PEL:** Permissible Exposure Limit  
**STEL:** Short Term Exposure Limit  
**TWA:** Time Weighted Average

|   |   |
|---|---|
| <b>Appropriate engineering controls</b> | Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV).<br>Maintain eye wash fountain and quick-drench facilities in work area. |
| <b>Personal Protective Equipment</b>    |   |
| <b>Eye/Face Protection</b>              | Safety glasses with side shields required.  |
| <b>Skin and Body Protection</b>         | If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.  |
| <b>Respiratory Protection</b>           | Ensure adequate ventilation, especially in confined areas.  |

**General Hygiene Considerations** Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing and launder before reuse. If needed, take first aid action shown on section 4 of this SDS.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |             |                       |                |
|-----------------------|-------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid      | <b>Odor</b>           | Mild           |
| <b>Appearance</b>     | Transparent | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Blue (dyed) |                       |                |

| <u>Property</u>              | <u>Values</u>                 | <u>Remarks • Method</u> |
|------------------------------|-------------------------------|-------------------------|
| pH                           | 9.0-9.5 @ 20:1                |                         |
| Melting Point/Freezing Point | -(20 to 24)°C / -(4 to 11) °F |                         |
| Boiling Point/Boiling Range  | Not determined                |                         |
| Flash Point                  | > 148°C ( 300 °F)             |                         |
| Evaporation Rate             | < 1                           |                         |
| Flammability (Solid, Gas)    | Not determined                |                         |
| Upper Flammability Limits    | Not determined                |                         |
| Lower Flammability Limit     | Not determined                |                         |
| Vapor Pressure               | Not determined                |                         |
| Vapor Density                | Not determined                |                         |
| Specific Gravity             | 0.92-0.94                     |                         |
| Water Solubility             | Emulsifiable                  |                         |
| Solubility in other solvents | Not determined                |                         |
| Partition Coefficient        | Not determined                |                         |
| Auto-ignition 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.

**Conditions to Avoid** Incompatible Materials.

**Incompatible Materials** Oxidizing agents.

**Hazardous Decomposition Products** Thermal decomposition and combustion are not expected to occur except under extreme conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Causes serious eye irritation.  |
| <b>Skin Contact</b> | Prolonged contact may cause redness and irritation.                       |
| <b>Inhalation</b>   | May cause irritation to the mucous membranes and upper respiratory tract. |
| <b>Ingestion</b>    | May cause gastrointestinal irritation or diarrhea.                        |

**Component Information**

| Chemical Name                                 | Oral LD50           | Dermal LD50            |
|---|---------------------|------------------------|
| Pet distillates,hydrotreated light naphthenic | > 5000 mg/kg ( Rat) | > 5000 mg/kg ( Rabbit) |
| 4-Chloro-m-cresol 59-50-7                     | -                   | > 2000 mg/kg ( Rat )   |

**Information on physical, chemical and toxicological effects**

|                                 |   |
|---------------------------------|---|
| <b>Carcinogenicity</b>          | Carcinogenic potential is unknown.  |
| <b>Gem Cell Mutagenicity</b>    | No data available   |
| <b>Reproductive Toxicity</b>    | No data available   |
| <b>STOT - repeated exposure</b> | No data available   |
| <b>Unknown Acute Toxicity</b>   | 1-15% of the mixture consists of ingredient(s) of unknown toxicity Inhalation (Dusts/Mist). |

**12. ECOLOGICAL INFORMATION**

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

**Component Information**

| Chemical Name                | Algae/aquatic plants  | Fish  | Toxicity to microorganisms  | Crustacea  |
|------------------------------|---|---|---|--|
| 4-Chloro-m-cresol<br>59-50-7 | 10: 96 h Desmodesmus subspicatus mg/L EC50 4.2:<br>72 h Desmodesmus subspicatus mg/L EC50 | 3.11 - 5.27: 96 h Pimephales promelas mg/L LC50<br>flow-through 1000 - 10000: 96 h Pimephales promelas µg/L LC50 static 5.81 - 7.76: 96 h Poecilia reticulata mg/L LC50<br>917: 96 h Oncorhynchus mykiss µg/L LC50 static | EC50 = 0.27 mg/L 5 min<br>EC50 = 0.28 mg/L 15 min<br>EC50 = 0.34 mg/L 30 min<br>EC50 = 23 mg/L 60 h | 2: 48 h Daphnia magna mg/L EC50 1.13 - 1.94: 48 h Daphnia magna mg/L EC50 Static |

**Persistence/Degradability** Biodegradation: Expected to be slowly biodegradable.

**Bioaccumulation** Not determined.

**Mobility**

| Chemical Name                 | Partition Coefficient |
|-------------------------------|-----------------------|
| 4-Chloro-m-cresol CAS#59-50-7 | 3.02                  |

**Other Adverse Effects** Not determined

**13. DISPOSAL CONSIDERATIONS**

**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.

**US EPA Waste Number**

| Chemical Name                | RCRA | RCRA - Basis for Listing              | RCRA - Halogenated Organic Compounds | RCRA - U Series Wastes |
|------------------------------|------|---------------------------------------|--------------------------------------|------------------------|
| 4-Chloro-m-cresol<br>59-50-7 | U039 | Included in waste streams: F039, K001 | Category II - Semi-volatiles         | U039                   |

**14. TRANSPORT INFORMATION**

|                                  |   |
|----------------------------------|---|
| <b>Note</b>                      | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. |
| <b>US DOT</b>                    | Not regulated   |
| <b>ATA</b>                       | Not regulated   |
| <b>IMDG<br/>Marine Pollutant</b> | This material may meet the definition of a marine pollutant   |

## 15. REGULATORY INFORMATION

### International Inventories

| Chemical Name                                   | TSCA | DSL | ND<br>SL | EINECS          | ELINCS | ENCS    | IECSC | INSQ | KECL     | AICS |
|---|------|-----|----------|-----------------|--------|---------|-------|------|----------|------|
| Petdistillates,hydrotreated<br>light naphthenic | x    | x   |          | x               |        | x       | x     | x    | x        | x    |
| 4-Chloro-m-cresol<br>59-50-7                    | x    | x   |          | EC<br>200-431-6 |        | (3)-900 | x     | x    | KE-05761 | x    |

*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*

*INSQ - National Inventory of Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### Canada Regulations

#### WHMIS Classifications

D-1B: Material Causing immediate and Serious Toxic Effects (Toxic)

D-2B: Materials Causing Other Toxic Effects (Toxic)

#### US Regulations

#### CERCLA

| Chemical Name                | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|------------------------------|--------------------------|----------------|--|
| 4-Chloro-m-cresol<br>59-50-7 | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

#### SARA 313

| Chemical Name               | CAS No  | Weight-% | SARA 313 - Threshold<br>Values % |
|-----------------------------|---------|----------|----------------------------------|
| 4-Chloro-m-cresol - 59-50-7 | 59-50-7 | 1-5      | 0.1                              |

#### CWA (Clean Water Act)

| Component                         | CWA - Reportable<br>Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous<br>Substances |
|-----------------------------------|--------------------------------|------------------------|---------------------------|-------------------------------|
| 4-Chloro-m-cresol 59-50-7 ( 1-5 ) |                                | X                      | X                         |                               |

**California Proposition 65:** This product does not contain any components that are regulated under California Prop 65

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

| Chemical Name             | New Jersey | Massachusetts | Pennsylvania |
|---------------------------|------------|---------------|--------------|
| 4-Chloro-m-cresol 59-50-7 | X          | X             | X            |

**16. OTHER INFORMATION**

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | 1                     | 0                   | 0                       | Not determined             |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|                    | 1                     | 0                   | 0                       | Not determined             |

**Issue Date:** 27-Mar-2015  
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**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**