



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** SONIC ATF

**Other means of identification**

**Product code** 1221

**Synonyms** SONIC ATF DEXRON III/MERCON; SONIC ATF DEX III

**Recommended use** Automatic Transmission Fluid.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer** CHS Inc.

**Address** P.O. Box 64089 - Mail station 525  
St. Paul, MN 55164-0089

**Telephone** (651) 424-8438

**Supplier** Federated Co-operatives Limited

**Address** P. O. Box 1050; 401 - 22nd Street East  
Saskatoon, SK S7K 3M9 Canada

**Telephone** (306) 244-3447

**24 Hour Emergency Telephone** (613) 996-6666 - Canutec

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from other materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name   | CAS number | %      |
|---|------------|--------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 64742-65-0 | 60-100 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.

## 4. First-aid measures

**Inhalation** If fumes or combustion products are inhaled move victim to fresh air. Get medical attention if any discomfort occurs.

|   |   |
|---|---|
| <b>Skin contact</b>   | Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.       |
| <b>Eye contact</b>  | Remove contact lenses, if present and easy to do. Flush thoroughly with water. If irritation occurs, get medical assistance.                                      |
| <b>Ingestion</b>  | Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort occurs. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically. Symptoms may be delayed.   |
| <b>General information</b>  | If you feel unwell, seek medical advice (show the label where possible). First aid personnel must be aware of own risk during rescue.                             |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Extinguish with foam, carbon dioxide or dry powder.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | By heating and fire, toxic vapors/gases may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>Specific methods</b>  | Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.  |
| <b>General fire hazards</b>  | Material will burn in a fire.   |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. In case of spills, beware of slippery floors and surfaces. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors and contact with skin and eyes. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated area with oil-removing material.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>   | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.  |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Avoid direct contact with eyes and prolonged skin exposure. Observe good industrial hygiene practices. Use appropriate Personal Protective Equipment. The handling temperature should not exceed 175°F (80°C). |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. Keep in a cool, well-ventilated place. Store away from incompatible materials (See Section 10). Storage temperature should not exceed 45°C.                        |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components   | Type | Value               | Form                |
|--|------|---------------------|---------------------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

| Components   | Type | Value               | Form                |
|--|------|---------------------|---------------------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

| Components   | Type | Value                | Form  |
|--|------|----------------------|-------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | STEL | 10 mg/m <sup>3</sup> | Mist. |
|  | TWA  | 5 mg/m <sup>3</sup>  | Mist. |

|  |   |
|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Exposure guidelines</b>   | No exposure standards allocated.  |
| <b>Appropriate engineering controls</b>                                      | Provide adequate ventilation and minimize the risk of inhalation of vapors and oil mist. Provide access to washing facilities including soap, skin cleanser and fatty cream.  |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear approved safety goggles.   |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Wear protective gloves. Neoprene or nitrile gloves are recommended.   |
| <b>Other</b>   | Wear appropriate clothing to prevent repeated or prolonged skin contact.  |
| <b>Respiratory protection</b>  | No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |

## 9. Physical and chemical properties

|   |                                    |
|---|------------------------------------|
| <b>Appearance</b>                                   | Yellow-red liquid.                 |
| <b>Physical state</b>                               | Liquid.                            |
| <b>Form</b>   | Liquid.                            |
| <b>Color</b>  | Red / yellow.                      |
| <b>Odor</b>   | Mild.                              |
| <b>Odor threshold</b>                               | Not available.                     |
| <b>pH</b>   | Not available.                     |
| <b>Melting point/freezing point</b>                 | 5 °F (-15 °C)                      |
| <b>Initial boiling point and boiling range</b>      | Not available.                     |
| <b>Flash point</b>                                  | > 379.4 °F (> 193.0 °C) Closed Cup |
| <b>Evaporation rate</b>                             | < 1 (ether (anhydrous) = 1)        |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                    |
| <b>Upper/lower flammability or explosive limits</b> |                                    |
| <b>Flammability limit - lower (%)</b>               | Not available.                     |

|  |  |
|--|--|
| <b>Flammability limit - upper (%)</b>          | Not available.                           |
| <b>Explosive limit - lower (%)</b>             | Not available.                           |
| <b>Explosive limit - upper (%)</b>             | Not available.                           |
| <b>Vapor pressure</b>                          | < 0.13 kPa                               |
| <b>Vapor density</b>                           | > 1 ( Air=1)                             |
| <b>Relative density</b>                        | 0.85 - 0.88 (H2O=1)                      |
| <b>Solubility(ies)</b>                         |  |
| <b>Solubility (water)</b>                      | Partially soluble in cold and hot water. |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                           |
| <b>Auto-ignition temperature</b>               | > 500 °F (> 260 °C)                      |
| <b>Decomposition temperature</b>               | Not available.                           |
| <b>Viscosity</b>                               | Not available.                           |
| <b>Other information</b>                       |  |
| <b>Specific gravity</b>                        | 0.85 - 0.88                              |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Elevated temperatures.  |
| <b>Incompatible materials</b>             | None known.   |
| <b>Hazardous decomposition products</b>   | Thermal decomposition of this product can generate carbon monoxide and carbon dioxide.        |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Prolonged or excessive inhalation may cause respiratory tract irritation. |
| <b>Skin contact</b> | Prolonged skin contact may cause temporary irritation.                    |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.                  |
| <b>Ingestion</b>    | May cause discomfort if swallowed.  |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation.

### Information on toxicological effects

|   |  |
|---|--|
| <b>Acute toxicity</b>                                     | Not expected to be acutely toxic.  |
| <b>Skin corrosion/irritation</b>                          | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b>                  | Direct contact with eyes may cause temporary irritation.   |
| <b>Respiratory or skin sensitization</b>                  |  |
| <b>Respiratory sensitization</b>                          | Not a respiratory sensitizer.  |
| <b>Skin sensitization</b>                                 | This product is not expected to cause skin sensitization.  |
| <b>Germ cell mutagenicity</b>                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>                                    | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                  |
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |
| <b>Aspiration hazard</b>                                  | Not an aspiration hazard.  |

**Chronic effects** Chronic effects are not expected when this product is used as intended.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Oil spills are generally hazardous to the environment.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available on bioaccumulation.

**Mobility in soil** This product is slightly water soluble and may disperse in soil.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Dispose in accordance with applicable federal, state, and local regulations. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies.

**Hazardous waste code** Waste codes should be assigned by the user based on the application for which the product was used.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty packaging should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

**TDG**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

### Canadian regulations

#### Controlled Drugs and Substances Act

Not regulated.

#### Export Control List (CEPA 1999, Schedule 3)

Not listed.

#### Greenhouse Gases

Not listed.

#### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

|                            |   |
|----------------------------|---|
| <b>Issue date</b>          | 26-August-2015  |
| <b>Revision date</b>       | -   |
| <b>Version #</b>           | 01  |
| <b>Further information</b> | The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.   |
| <b>Disclaimer</b>          | To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. |



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** SONIC ATF

**Other means of identification**

**Product code** 1221

**Synonyms** SONIC ATF DEXRON III/MERCON; SONIC ATF DEX III

**Recommended use** Automatic Transmission Fluid.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Supplier** Federated Co-operatives Limited

**Address** P. O. Box 1050; 401 - 22nd Street East  
Saskatoon, SK S7K 3M9 Canada

**Telephone** (306) 244-3447

**24-Hour emergency telephone** (613) 996-6666 - Canutec

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statements**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from other materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name   | CAS number | %      |
|---|------------|--------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 64742-65-0 | 60-100 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.

## 4. First-aid measures

**Inhalation** If fumes or combustion products are inhaled move victim to fresh air. Get medical attention if any discomfort occurs.

**Skin contact** Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

**Eye contact** Remove contact lenses, if present and easy to do. Flush thoroughly with water. If irritation occurs, get medical assistance.

|   |   |
|---|---|
| <b>Ingestion</b>  | Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort occurs. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically. Symptoms may be delayed.   |
| <b>General information</b>  | If you feel unwell, seek medical advice (show the label where possible). First aid personnel must be aware of own risk during rescue.                             |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Extinguish with foam, carbon dioxide or dry powder.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>                    | By heating and fire, toxic vapours/gases may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Use standard firefighting procedures and consider the hazards of other involved materials.  |
| <b>Specific methods</b>  | Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.  |
| <b>General fire hazards</b>  | Material will burn in a fire.   |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. In case of spills, beware of slippery floors and surfaces. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapours and contact with skin and eyes. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated area with oil-removing material.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| <b>Environmental precautions</b>   | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.  |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Avoid direct contact with eyes and prolonged skin exposure. Observe good industrial hygiene practices. Use appropriate Personal Protective Equipment. The handling temperature should not exceed 175°F (80°C). |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. Keep in a cool, well-ventilated place. Store away from incompatible materials (See Section 10). Storage temperature should not exceed 45°C.                        |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components   | Type | Value   | Form                |
|--|------|---------|---------------------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m3 | Inhalable fraction. |



**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components   | Type | Value               | Form                |
|--|------|---------------------|---------------------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |

**Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)**

| Components   | Type | Value                | Form  |
|--|------|----------------------|-------|
| Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | STEL | 10 mg/m <sup>3</sup> | Mist. |
|  | TWA  | 5 mg/m <sup>3</sup>  | Mist. |

|  |   |
|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Exposure guidelines</b>   | No exposure standards allocated.  |
| <b>Appropriate engineering controls</b>                                      | Provide adequate ventilation and minimise the risk of inhalation of vapours and oil mist. Provide access to washing facilities including soap, skin cleanser and fatty cream.   |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear approved safety goggles.   |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Wear protective gloves. Neoprene or nitrile gloves are recommended.   |
| <b>Other</b>   | Wear appropriate clothing to prevent repeated or prolonged skin contact.  |
| <b>Respiratory protection</b>  | No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |

**9. Physical and chemical properties**

|   |                                    |
|---|------------------------------------|
| <b>Appearance</b>                                   | Yellow-red liquid.                 |
| <b>Physical state</b>                               | Liquid.                            |
| <b>Form</b>   | Liquid.                            |
| <b>Colour</b>                                       | Red / yellow.                      |
| <b>Odour</b>  | Mild.                              |
| <b>Odour threshold</b>                              | Not available.                     |
| <b>pH</b>   | Not available.                     |
| <b>Melting point/freezing point</b>                 | -15 °C (5 °F)                      |
| <b>Initial boiling point and boiling range</b>      | Not available.                     |
| <b>Flash point</b>                                  | > 193.0 °C (> 379.4 °F) Closed cup |
| <b>Evaporation rate</b>                             | < 1 (ether (anhydrous) = 1)        |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                    |
| <b>Upper/lower flammability or explosive limits</b> |                                    |
| <b>Flammability limit - lower (%)</b>               | Not available.                     |
| <b>Flammability limit - upper (%)</b>               | Not available.                     |
| <b>Explosive limit - lower (%)</b>                  | Not available.                     |
| <b>Explosive limit - upper (%)</b>                  | Not available.                     |
| <b>Vapour pressure</b>                              | < 0.13 kPa                         |
| <b>Vapour density</b>                               | > 1 (Air = 1)                      |
| <b>Relative density</b>                             | 0.85 - 0.88 (H <sub>2</sub> O=1)   |

|  |  |
|--|--|
| <b>Solubility(ies)</b>                         |  |
| <b>Solubility (water)</b>                      | Partially soluble in cold and hot water. |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                           |
| <b>Auto-ignition temperature</b>               | > 260 °C (> 500 °F)                      |
| <b>Decomposition temperature</b>               | Not available.                           |
| <b>Viscosity</b>                               | Not available.                           |
| <b>Other information</b>                       |  |
| <b>Specific gravity</b>                        | 0.85 - 0.88                              |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Elevated temperatures.  |
| <b>Incompatible materials</b>             | None known.   |
| <b>Hazardous decomposition products</b>   | Thermal decomposition of this product can generate carbon monoxide and carbon dioxide.        |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Prolonged or excessive inhalation may cause respiratory tract irritation. |
| <b>Skin contact</b> | Prolonged skin contact may cause temporary irritation.                    |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.                  |
| <b>Ingestion</b>    | May cause discomfort if swallowed.  |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation.

### Information on toxicological effects

|  |  |
|--|--|
| <b>Acute toxicity</b>                    | Not expected to be acutely toxic.                        |
| <b>Skin corrosion/irritation</b>         | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b> | Direct contact with eyes may cause temporary irritation. |

### Respiratory or skin sensitisation

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitisation</b> | Not a respiratory sensitiser.                             |
| <b>Skin sensitisation</b>        | This product is not expected to cause skin sensitisation. |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Chronic effects are not expected when this product is used as intended.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Oil spills are generally hazardous to the environment.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available on bioaccumulation.

|                              |   |
|------------------------------|---|
| <b>Mobility in soil</b>      | This product is slightly water soluble and may disperse in soil.  |
| <b>Other adverse effects</b> | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

### 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Dispose in accordance with applicable federal, state, and local regulations. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies.                                |
| <b>Hazardous waste code</b>                  | Waste codes should be assigned by the user based on the application for which the product was used.  |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Empty packaging should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.        |

### 14. Transport information

#### TDG

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### 15. Regulatory information

#### Canadian regulations

##### Controlled Drugs and Substances Act

Not regulated.

##### Export Control List (CEPA 1999, Schedule 3)

Not listed.

##### Greenhouse Gases

Not listed.

##### Precursor Control Regulations

Not regulated.

#### International regulations

##### Stockholm Convention

Not applicable.

##### Rotterdam Convention

Not applicable.

##### Kyoto protocol

Not applicable.

##### Montreal Protocol

Not applicable.

##### Basel Convention

Not applicable.

#### International Inventories

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada               | Domestic Substances List (DSL)   | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                     | Yes                    |
| New Zealand                 | New Zealand Inventory   | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

|                            |   |
|----------------------------|---|
| <b>Issue date</b>          | 02-May-2016   |
| <b>Revision date</b>       | -   |
| <b>Version No.</b>         | 01  |
| <b>Further information</b> | The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.   |
| <b>Disclaimer</b>          | To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. |