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## Section 01 - Identification

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|--|--|
| <b>Product Identifier</b>                  | Concrete Retardant – Horizontal  |
| <b>Other Means of Identification</b>       | None   |
| <b>Product Use and Restrictions on Use</b> | Surface retardant for use on a fresh horizontally placed concrete.               |
| <b>Initial Supplier Identifier</b>         | Advance Chemicals Ltd.<br>1500 Quebec Avenue<br>Saskatoon, SK. Canada<br>S7K 1V7 |
| <b>Prepared By</b>                         | ClearTech Industries Inc. Technical Writer<br>Phone: 1 (800) 387-7503            |
| <b>24-Hour Emergency Phone</b>             | Phone: 1 (306) 664 – 2522  |

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## Section 02 - Hazard Identification

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### GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

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## Section 03 - Composition / Information on Ingredients

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| <b>Chemical Name</b>  | <b>CAS Number</b> | <b>Weight %</b> | <b>Unique Identifiers</b> |
|---|-------------------|-----------------|---------------------------|
| Water and/or ingredients not classified as hazardous under the Hazardous Products Regulations |                   | 100%            |                           |

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## Section 04 - First Aid Measures

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|                                  |   |
|----------------------------------|---|
| <b>Inhalation</b>                | Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.  |
| <b>Skin Contact / Absorption</b> | Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water and non-abrasive soap. If skin irritation persists, seek medical attention.  |
| <b>Eye Contact</b>               | Immediately flush eye(s) with lukewarm, gently flowing water for 30 minutes, while forcibly holding the eyelid(s) open to ensure complete irrigation of the eye tissue. If irritation persists, seek medical attention. |
| <b>Ingestion</b>                 | Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth with water. Seek medical attention if discomfort occurs.                                  |
| <b>Additional Information</b>    | Not Available   |

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## Section 05 - Fire Fighting Measures

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|   |   |
|---|---|
| <b>Suitable Extinguishing Media</b>                                   | Use dry chemicals, CO <sub>2</sub> , alcohol foam or waterspray.            |
| <b>Unsuitable Extinguishing Media</b>                                 | Not Available   |
| <b>Specific Hazards Arising From the Chemical</b>                     | Oxides of Sulphur and Sulphur dioxide.                                      |
| <b>Special Protective Equipment and Precautions for Fire-Fighters</b> | Wear NIOSH-approved self-contained breathing apparatus and protective gear. |
| <b>Further Information</b>  | Not Available   |

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## Section 06 - Accidental Release Measures

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|   |   |
|---|---|
| <b>Personal Precautions / Protective Equipment / Emergency Procedures</b> | Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue. |
| <b>Environmental Precautions</b>  | Prevent product from entering sewers or waterways.  |
| <b>Methods and Materials for Containment and Cleaning Up</b>              | Clean up spill with non-reactive absorbent material and place in suitable, labelled containers for proper disposal.   |

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## Section 07 - Handling and Storage

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|                                      |   |
|--------------------------------------|---|
| <b>Precautions for Safe Handling</b> | Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. |
| <b>Conditions for Safe Storage</b>   | Store in a cool, well-ventilated area, away from incompatible materials. Store product locked up.   |
| <b>Incompatibilities</b>             | Strong oxidizing agents.  |

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## Section 08 - Exposure Controls and Personal Protection

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### Exposure Limit(s)

| Component                     | Regulation      | Type of Listing | Value |
|-------------------------------|-----------------|-----------------|-------|
| Concrete Retardant-Horizontal | Not Established |                 |       |

### Engineering Control(s)

|                                 |   |
|---------------------------------|---|
| <b>Ventilation Requirements</b> | Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems. |
| <b>Other</b>                    | Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.   |

### Protective Equipment

|                        |  |
|------------------------|--|
| <b>Eyes/Face</b>       | No specific requirements, but it is good practice to wear chemical safety glasses while product is being handled.              |
| <b>Hand Protection</b> | No specific requirements, but it is good practice to prevent skin contact by wearing impervious gloves of chemical resistance. |

|                                 |   |
|---------------------------------|---|
| <b>Skin and Body Protection</b> | No specific requirements, but it is good practice to prevent skin contact.<br>No special footwear is required other than what is mandated at place of work. |
| <b>Respiratory Protection</b>   | A NIOSH approved respirator should be worn if improper ventilation is not provided.   |
| <b>Thermal Hazards</b>          | Not Available   |

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## **Section 09 - Physical and Chemical Properties**

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### **Appearance**

|                        |               |
|------------------------|---------------|
| <b>Physical State</b>  | Liquid        |
| <b>Colour</b>          | Water white   |
| <b>Odour</b>           | Xylene        |
| <b>Odour Threshold</b> | Not Available |

### **Property**

|  |                    |
|--|--------------------|
| <b>pH</b>                                      | Not Available      |
| <b>Melting Point/Freezing Point</b>            | Not Available      |
| <b>Initial Boiling Point and Boiling Range</b> | >110°C             |
| <b>Flash Point</b>                             | Not Available      |
| <b>Evaporation Rate</b>                        | Not Available      |
| <b>Flammability</b>                            | Not Available      |
| <b>Upper Flammable Limit</b>                   | Not Available      |
| <b>Lower Flammable Limit</b>                   | Not Available      |
| <b>Vapour Pressure (mm Hg, 20°C)</b>           | Not Available      |
| <b>Vapour Density (Air=1)</b>                  | Not Available      |
| <b>Relative Density</b>                        | Not Available      |
| <b>Solubility(ies)</b>                         | Insoluble in water |
| <b>Partition Coefficient: n-octanol/water</b>  | Not Available      |
| <b>Auto-ignition Temperature</b>               | Not Available      |
| <b>Decomposition Temperature</b>               | Not Available      |
| <b>Viscosity</b>                               | Not Available      |
| <b>Explosive Properties</b>                    | None               |
| <b>Specific Gravity (Water=1)</b>              | 1.1                |

|                              |               |
|------------------------------|---------------|
| <b>% Volatiles by Volume</b> | Not Available |
| <b>Formula</b>               | Mixture       |
| <b>Molecular Weight</b>      | Not Available |

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## Section 10 - Stability and Reactivity

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|   |  |
|---|--|
| <b>Reactivity</b>                         | Not Available                            |
| <b>Stability</b>                          | Stable.                                  |
| <b>Possibility of Hazardous Reactions</b> | Hazardous polymerization will not occur. |
| <b>Conditions to Avoid</b>                | None.                                    |
| <b>Incompatible Materials</b>             | Strong oxidizing agents.                 |
| <b>Hazardous Decomposition Products</b>   | Sulphur dioxide and oxides of Sulphur.   |

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## Section 11 - Toxicological Information

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### Acute Toxicity Estimate

| <b>Component</b>              | <b>Oral LD<sub>50</sub></b> | <b>Dermal LD<sub>50</sub></b> | <b>Inhalation LC<sub>50</sub></b> |
|-------------------------------|-----------------------------|-------------------------------|-----------------------------------|
| Concrete Retardant-Horizontal | Not Available               | Not Available                 | Not Available                     |

### Chronic Toxicity – Carcinogenicity

| <b>Component</b>              | <b>IARC</b>  |
|-------------------------------|--|
| Concrete Retardant-Horizontal | None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen. |

|  |   |
|--|---|
| <b>Skin Corrosion/Irritation</b>         | May cause moderate skin irritation.   |
| <b>Ingestion</b>                         | No adverse effects are expected. Ingestion of large amounts may cause gastrointestinal upset. |
| <b>Inhalation</b>                        | Vapours and mists may cause respiratory irritation.   |
| <b>Serious Eye Damage/Irritation</b>     | May cause eye irritation and watering.  |
| <b>Respiratory or Skin Sensitization</b> | Not Available   |
| <b>Germ Cell Mutagenicity</b>            | Not Available   |
| <b>Reproductive Toxicity</b>             | Not Available   |
| <b>STOT-Single Exposure</b>              | Not Available   |
| <b>STOT-Repeated Exposure</b>            | Not Available   |
| <b>Aspiration Hazard</b>                 | Not Available   |
| <b>Synergistic Materials</b>             | Not Available   |

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## Section 12 – Ecological Information

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### Ecotoxicity

| Component                     | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia and Other Aquatic Invertebrates |
|-------------------------------|-------------------|------------------|---|
| Concrete Retardant-Horizontal | Not Available     | Not Available    | Not Available                                       |
| <b>Biodegradability</b>       | Not Available     |                  |   |
| <b>Bioaccumulation</b>        | Not Available     |                  |   |
| <b>Mobility</b>               | Not Available     |                  |   |
| <b>Other Adverse Effects</b>  | Not Available     |                  |   |

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## Section 13 – Disposal Considerations

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|  |   |
|--|---|
| <b>Waste From Residues/Unused Products</b> | Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act. |
| <b>Contaminated Packaging</b>              | Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act. |

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## Section 14 – Transport Information

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|                                   |  |
|-----------------------------------|--|
| <b>UN Number</b>                  | Not Regulated  |
| <b>UN Proper Shipping Name</b>    | Not Regulated  |
| <b>Transport Hazard Class(es)</b> | Not Regulated  |
| <b>Packaging Group</b>            | Not Regulated  |
| <b>Environmental Hazards</b>      | Not listed as a marine pollutant under Canadian TDG Regulations, schedule III. |
| <b>Special Precautions</b>        | Not Available  |
| <b>Transport in Bulk</b>          | Not Available  |

### TDG

|              |  |
|--------------|--|
| <b>Other</b> | Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position. |
|--------------|--|

**TDG PRODUCT CLASSIFICATION:** This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

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## Section 15 – Regulatory Information

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**NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

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## Section 16 – Other Information

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**Preparation Date** February 23, 2016

**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no

guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

**Attention: Receiver of the chemical goods / SDS coordinator**

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

**References:**

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

**Advance Chemicals Ltd. - Locations**

Corporate Head Office: 1500 Quebec Avenue, Saskatoon, SK, S7K 1V7

Phone: 1(306) 664 – 2522

Fax: 1(888) 281-8109

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**24 Hour Emergency Number - All Locations – 1(306) 664-2522**