

**THERMO-LUBE®****MATERIAL SAFETY DATA SHEET**  
(Complies with OSHA 29 CFR 1910.1200)**SECTION I: PRODUCT IDENTIFICATION**

The QUIKRETE® Companies  
One Securities Centre  
3490 Piedmont Road, Suite 1300  
Atlanta, GA 30329

Emergency Telephone Number  
(770) 216-9580

Information Telephone Number  
(770) 216-9580

MSDS M1  
Revision: Feb-07

|                        |  |  |   |
|------------------------|--|--|---|
| HEALTH                 |  |  | 0 |
| FLAMMABILITY           |  |  | 0 |
| PHYSICAL HAZARD        |  |  | 0 |
| PERSONAL PROTECTION    |  |  |   |
| Safety Glasses, Gloves |  |  |   |

**QUIKRETE® Product Name**  
THERMO-LUBE®

**Code #**  
1905

**PRODUCT USE:** COLD-WEATHER ACCELERATOR FOR PORTLAND CEMENT-BASED SYSTEMS

**SECTION II - HAZARD IDENTIFICATION**

**Route(s) of Entry:** Skin, Ingestion

**Acute Exposure:** May irritate or burn eyes. May cause skin irritation.

**Chronic Exposure:** None Known

**Carcinogenicity:** Non-carcinogenic

**Carcinogenicity Listings:** Not applicable

**Signs and Symptoms of Exposure:** None known

**Medical Conditions Generally Aggravated by Exposure:** None Known

**Chronic Exposure:** None known

**Medical Conditions Generally Aggravated by Exposure:** None known

**SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

| <u>Hazardous Components</u> | <u>CAS No.</u> | <u>PEL (OSHA)</u><br>mg/M <sup>3</sup> | <u>TLV (ACGIH)</u><br>mg/M <sup>3</sup> |
|-----------------------------|----------------|--|---|
| Calcium Chloride            | 10043-52-4     | ---                                    | ---                                     |

**SECTION IV – First Aid Measures**

**Eyes:** Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

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**Skin:** Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

**Ingestion:** If conscious, induce vomiting. Have the victim drink two glasses of water and call a physician immediately.

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**SECTION V - FIRE AND EXPLOSION HAZARD DATA**

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**Flammability:** Noncombustible and not explosive.

**Auto-ignition Temperature:** Not Applicable

**Flash Points:** Not Applicable

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**SECTION VI – ACCIDENTAL RELEASE MEASURES**

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If spilled, soak with absorbent material, flush remainder with water. Flush to sewer if permitted by applicable local, state and federal regulations.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE**

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Store in a cool place; avoid freezing to preserve product utility.

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**SECTION VIII – EXPOSURE CONTROL MEASURES**

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**Engineering Controls:** Not applicable

**Personal Protection:** Use waterproof gloves; wear safety glasses with side shields.

**Exposure Limits:** Consult local authorities for acceptable exposure limits

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**SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS**

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**Appearance:** Odorless blue liquid

**Specific Gravity:** 1.22 – 1.24 @ 72°F

**Solubility in Water:** Dilutable

**Boiling Point:** 212°F (water)

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**SECTION X - REACTIVITY DATA**

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**Stability:** Stable.

**Incompatibility (Materials to Avoid):** None

**Hazardous Decomposition or By-products:** None

**Hazardous Polymerization:** Will Not Occur.

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**SECTION XI – TOXICOLOGICAL INFORMATION**

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**Routes of Entry:** Inhalation, Ingestion

**Toxicity to Animals:**

Oral rat LD50: 1000 mg/kg. Investigated as a tumorigen and mutagen.

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| Ingredient                    | ---NTP Carcinogen--- |             | IARC Category |
|-------------------------------|----------------------|-------------|---------------|
|                               | Known                | Anticipated |               |
| Calcium Chloride (10043-52-4) | No                   | No          | None          |

**Chronic Effects on Humans:** None known  
**Special Remarks on Toxicity:** Not Available

**SECTION XII – ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not Available  
**BOD5 and COD:** Not Available  
**Products of Biodegradation:** Based on available information for Calcium Chloride anhydrous, this product will not biodegrade or bioaccumulate.  
**Toxicity of the Products of Biodegradation:** Not available  
**Special Remarks on the Products of Biodegradation:** Not available

**SECTION XIII – DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** The packaging may be landfilled and material may be flushed to sewer, if permitted by local, state and federal regulations. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302).

**SECTION XIV – TRANSPORT INFORMATION**

**DOT/UN Shipping Name:** Non-regulated  
**DOT Hazard Class:** Non-regulated  
**Shipping Name:** Non-regulated  
 Non-Hazardous under U.S. DOT and TDG Regulations

**SECTION XV – OTHER REGULATORY INFORMATION**

**US OSHA 29CFR 1910.1200:** Considered non-hazardous  
**SARA (Title III) Sections 311 & 312:** Not applicable  
**SARA (Title III) Section 313:** Not subject to reporting requirements  
**TSCA (May 1997):** All components are on the TSCA inventory list  
**Federal Hazardous Substances Act:** Considered non-hazardous  
**Canadian Environmental Protection Act:** Not listed  
**Canadian WHMIS:** Considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations (Class D2A, E- Corrosive Material) and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This product has been classified according to the hazard criteria of the Controlled Products Regulation (CPR). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

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**SECTION XVI – OTHER INFORMATION**

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| <b>HMIS-III:</b> | Health –         | 0 = No significant health risk<br>1 = Irritation or minor reversible injury possible<br>2 = Temporary or minor injury possible<br>3 = Major injury possible unless prompt action is taken<br>4 = Life threatening, major or permanent damage possible  |
|                  | Flammability-    | 0 = Material will not burn<br>1 = Material must be preheated before ignition will occur<br>2 = Material must be exposed to high temperatures before ignition<br>3 = Material capable of ignition under normal temperatures<br>4 = Flammable gases or very volatile liquids; may ignite spontaneously                                       |
|                  | Physical Hazard- | 0 = Material is normally stable, even under fire conditions<br>1 = Material normally stable but may become unstable at high temps<br>2 = Materials that are unstable and may undergo react at room temp<br>3 = Materials that may form explosive mixtures with water<br>4 = Materials that are readily capable of explosive water reaction |

**Abbreviations:**

|               |  |
|---------------|--|
| <b>ACGIH</b>  | American Conference of Government Industrial Hygienists            |
| <b>CAS</b>    | Chemical Abstract Service  |
| <b>CERCLA</b> | Comprehensive Environmental Response, Compensation & Liability Act |
| <b>CFR</b>    | Code of Federal Regulations  |
| <b>CPR</b>    | Controlled Products Regulations (Canada)                           |
| <b>DOT</b>    | Department of Transportation                                       |
| <b>IARC</b>   | International Agency for Research                                  |
| <b>MSHA</b>   | Mine Safety and Health Administration                              |
| <b>NIOSH</b>  | National Institute for Occupational Safety and Health              |
| <b>NTP</b>    | National Toxicity Program  |
| <b>OSHA</b>   | Occupational Safety and Health Administration                      |
| <b>PEL</b>    | Permissible Exposure Limit   |
| <b>RCRA</b>   | Resource Conservation and Recovery Act                             |
| <b>SARA</b>   | Superfund Amendments and Reauthorization Act                       |
| <b>TLV</b>    | Threshold Limit Value  |
| <b>TWA</b>    | Time-weighted Average  |
| <b>WHMIS</b>  | Workplace Hazardous Material Information System                    |

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