

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> mg/M ³	<u>TLV (ACGIH)</u> mg/M ³
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.

CEMENT & CONCRETE PRODUCTS™

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.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flammability: Noncombustible and not explosive.

Auto-ignition Temperature: Not Applicable

Flash Points: Not Applicable

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

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

SECTION VIII – EXPOSURE CONTROL MEASURES

Engineering Controls: Not applicable

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

Exposure Limits: Consult local authorities for acceptable exposure limits

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Odorless blue liquid

Specific Gravity: 1.22 – 1.24 @ 72°F

Solubility in Water: Dilutable

Boiling Point: 212°F (water)

SECTION X - REACTIVITY DATA

Stability: Stable.

Incompatibility (Materials to Avoid): None

Hazardous Decomposition or By-products: None

Hazardous Polymerization: Will Not Occur.

SECTION XI – TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Ingestion

Toxicity to Animals:

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

CEMENT & CONCRETE PRODUCTS™

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.

SECTION XVI – OTHER INFORMATION

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

Abbreviations:

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

Revision #07-01, supersedes all previous revisions**Created: 11/16/2006****Last Updated: February 7, 2007**

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.