

MATERIAL SAFETY DATA SHEET

UPDATE APRIL 1, 2002
EMERGENCY CHEMTREC 1-800-424-9300

*** SECTION I PRODUCT IDENTIFICATION ***

PRODUCT CODE: CTI – HIGH DENSITY MORTAR
CHEMICAL DESCRIPTION: CEMENT MORTAR (PORTLAND), LIME, SILICA

*** SECTION II HAZARDOUS COMPONENTS ***

INGREDIENT	CAS#	NTP/ IARC/ OSHA CARC.	OSHA PEL (Mg/M3)	NIOSH CEILING (PPM)	ACGIH TVL (Mg/M3)
PORTLAND CEMENT	65997-15-1	NO	10	N.A.	10
CALCIUM ALUMINATE CEMENT	65997-16-2	NO	N.A.	N.A.	50 Mppcf
HYDRATED CALCIUM SULFATE	7778-18-9	NO	←-----UNKNOWN-----→		
SILICON DIOXIDE QUARTZ (CRYSTALLINE)	14808-60-7	YES (DUST)	0.1	N.A.	0.1

N.A. = NOT APPLICABLE/NOT AVAILABLE

NOTE: PREVIOUS AIR MONITORING DURING EMPLOYEE EXPOSURE TO THIS PRODUCT HAS INDICATED TYPICAL AIRBORNE RESPIRABLE QUARTZ FRACTIONS OF UP TO 3%.

ILV: THRESHOLD LIMIT VALUE ESTABLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, 1906-08

*** SECTION III PHYSICAL DATA ***

APPEARANCE: FINE, GREYISH BROWN POWDER.
ODOR: ODORLESS
BOILING POINT: N/A
VAPOR DENSITY: N/A (X) HEAVIER LIGHTER THAN AIR
EVAPORATION
RATE: N/A () FASTER (X) SLOWER THAN EITHER

% VOLATILE BY VOLUME: N/A
PH: N/A
SPECIFIC GRAVITY: N/A
ODOR THRESHOLD: N/A
FREEZING POINT: N/A
PHYSICAL STATE: POWDER
COEFFICIENT OF WATER/OIL DIST: N/A

*** SECTION IV FIRE AND EXPLOSION HAZARD DATA ***

D.O.T. CATEGORY: NOT REGULATED
FLASHPOINT: N/A LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: N/A
AUTO-IGNITION TEMPERATURE: N/A
SPECIAL FIREFIGHTING PROCEDURES: N/A
UNUSUAL FIRE & EXPLOSION HAZARDS: N/A
EXPLOSION DATA TO STATIC DISCHARGE AND IMPACT: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

TARGET ORGAN INFORMATION: SILICA DUST CAN CAUSE SILICOSIS. ALSO, OTHER DUST WILL DAMAGE SKIN AND LUNGS.

SARA STATEMENT: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS WHICH ARE REPORTABLE UNDER SECTION 313 OF TITLE III SARA.

*** SECTION V HEALTH HAZARD DATA ***

THRESHOLD LIMIT VALUE: (TLV): RESPIRABLE DUST --- IVL 10mg/m³

EFFECTS OF OVEREXPOSURE:

INHALATION: IRRITATING TO NOSE, THROAT AND LUNGS.

SKIN CONTACT: IRRITATING UPON REPEATED AND PROLONGED CONTACT.

EYE CONTACT: MODERATELY IRRITATING.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: MOVE SUBJECT TO FRESH AIR IF SYMPTOMS OCCUR. IF BREATHING IS DIFFICULT GIVE OXYGEN, CONSULT A PHYSICIAN. IF BREATHING HAS STOPPED, IMMEDIATELY GIVE OXYGEN AND SEND MEDICAL ASSISTANCE.

EYES/SKIN CONTACT: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEE PHYSICIAN IF IRRITATION PERSISTS. WASH AFFECTED SKIN AREA WITH SOAP AND WATER.

*** SECTION VI PHYSICAL HAZARDS – REACTIVITY DATA ***

STABILITY – STABLE

CONDITIONS TO AVOID IF UNSTABLE: N/A

INCOMPATIBLE (MATERIALS TO AVOID):

HIGHLY ALKALINE. STRONG ACIDS MAY CAUSE VIOLENT, EXOTHERMIC REACTION, EVOLVE TOXIC GASES/VAPORS, DEPENDING ON TYPE ACID.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID UNCONTROLLED POLYMERIZATION: N/A

*** SECTION VII STORAGE, HANDLING, SPILL AND DISPOSAL PROCEDURES ***

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN MANNER TO PREVENT CONTACT WITH STRONG ACIDS. AVOID CONTACT WITH WATER TO PRESERVE PRODUCT.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Information contained herein is believed to be accurate. However, it is provided solely for the customers consideration, investigation and verification. Concrete Technology, Inc. hereby specifically disclaims any and all warranties, express or implied, regarding the accuracy and completeness of such information, and makes no representations with respect thereto.