

MATERIAL SAFETY DATA SHEET

TRICON PRECAST

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DATE PREPARED: APRIL 9, 2004 REV. A

PRECAST CONCRETE PRODUCTS

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PRECAST CONCRETE

CHEMICAL NAME : PORTLAND CEMENT (CAS# 65997-15-1), HYDRAULIC CEMENT TYPES 1,1 (WKA), II, III, V, Fly Ash, SAND, AGGREGATE (QUARTZ) (CAS 14508-60-7)

PRODUCT DESCRIPTION: PRECAST CONCRETE PRODUCTS ARE CREATED USING A MIXTURE OF PORTLAND CEMENT, Fly Ash, SAND, AGGREGATE, WATER AND PROPRIETARY ADD MIXTURES. BY PROVIDING THE CORRECT FORMULATION THE MIXED CEMENT IS PLACED INTO FORMS UNTIL CURED WHEN FULLY CURED THE PANELS ARE REMOVED FROM THE FORMS.

CONTACT ADDRESS:

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TRICON PRECAST 281-931-9832

*7AM TO 4PM MONDAY THRU FRIDAY
(877)-387-4266*

NON EMERGENCY TELEPHONE NUMBERS:

FOR HEALTH AND SAFETY OR GENERAL PRODUCT INFORMATION CALL :
(7 AM TO 4PM M-F)

PHONE: (281)-931-9832
FAX: (281)-931-0061

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

United States DOT	Canadian Regulations
Proper Shipping: Not Applicable	
Hazard Class: Not Applicable	TDG Class: Nonhazardous
Identification #: Not Applicable	
Label (s) Required: Not Applicable	NPCA - HMIS HAZARD INDEX: HEALTH.... 1
	FLAMMABILITY 0
Surface Freight Classification: PRECAST CEMENT	REACTIVITY: 0

The formulation composition of this mixture is proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse. This product is non hazardous as defined in 29 CFR1910.120.

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg Temp.	WEIGHT PERCENT
Crystalline silica.....(silicon dioxide)	14808-60-7	0 0	2.8

No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 cfr 372 are present. Absence of an entry in the hazardous ingredients section does not preclude the presence of hazardous material but means only that quantities present (if any) are below the levels required by OSHA.

SECTION 3 PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A	SPECIFIC GRAVITY (H20=1): 3.1 - 3.7
VAPOR DENSITY: N/A	EVAPORATION RATE: N/A
COATING V.O.C.: N/A	
SOLUBILITY IN WATER: N/A	
APPEARANCE AND ODOR: HARD GRAY/ WHITE CEMENT CAST FINISH / NO ODOR	
ODOR THRESHOLD: NONE ESTABLISHED	

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SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME LOWER n/a UPPER n/a
EXTINGUISHING MEDIA: FOAM , CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIREFIGHTING PROCEDURES:
This product will not support combustion. Cooling water spray may be effective in preventing crumbling. Bunker gear and self contained breathing apparatus should be used .

UNUSUAL FIRE AND EXPLOSION HAZARDS
n/a

SECTION 5 REACTIVITY DATA

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Avoid contact with strong oxidizers.
INCOMPATIBILITY (MATERIALS TO AVOID) Oxidizers
HAZARDOUS DECOMPOSITION OR BY PRODUCTS Will not occur
HAZARDOUS POLYMERIZATION Will not occur

SECTION 6 HEALTH HAZARD DATA

INHALATION HEALTH RISKS: No negative health effects are expected with standard use. However, during manufacturing if the product raw materials are inhaled as dust, vapor or mist, it may cause irritation to the upper respiratory tract causing sore throat, coughing, nausea, headache, or breathing difficulties.
SKIN AND EYE CONTACT: During the manufacturing process the mixture may be irritating to the eyes. May cause slight skin irritation (redness) . Skin absorption can be a route of entry. Upon curing no known skin or health risks should be expected.
INGESTION: Swallowing raw mixture may irritate the mouth, throat, and stomach causing pain, nausea, and vomiting

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED: Contain spill with appropriate material . Keep all unnecessary people away . Uncured raw material may be shoveled into containers until cured.
WASTE DISPOSAL METHOD: When disposing of panels proper dust collecting procedures should be followed to prevent personal and environmental exposure.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
OTHER PRECAUTIONS: Do not breath dust. Avoid prolonged breathing of dust. Provide adequate ventilation. Proper eye protection and breathing apparatus should be worn when panels are being demolished respiratory protective equipment is recommended.

SECTION 8 CONTROL MEASURES

RESPIRATORY PROTECTION: Recommend using NIOSH or MSHA approved respirator when breathing dust from this product in enclosed area to remove airborne particles.
VENTILATION: Use sufficient ventilation to keep air containment concentration below applicable OSHA permissible exposure limits.
PROTECTIVE GLOVES: Not required, but recommended if prolonged exposure is expected; barrier creams may also be beneficial.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: During manufacturing and disposal of panels use of safety glasses with side shields is recommended.

SECTION 9 DISCLAIMER

To the best of our knowledge the information and recommendations contained herein is accurate and was obtained from sources believed by Tricon Precast to be reliable. There is no warranty of any kind expressed or implied, as to the completeness or accuracy thereof.

THIS MATERIAL SAFETY DATA SHEET IS SUITABLE FOR USE WITH ALL PRECAST MSE PANELS.
UPON FULL CURE OF THIS PRODUCT THE CHEMICAL HAZARD RATING OF THIS PRODUCT IS INSIGNIFICANT