



MATERIAL SAFETY DATA SHEET

SUBSTANCE

(Chemical Name)

Concrete

NO.

PRODUCT NAME, NUMBER, SYNONYM Freshly

COMMON OR TRADE NAME

mixed, unhardened concrete

Concrete

MANUFACTURER'S NAME AND ADDRESS Kentucky Concrete Inc., KCI
Companies LLC & Kentucky Concrete of Indiana LLC

TELEPHONE NUMBER

270 737 8296

3600 Leitchfield Rd. Cecilia, KY 42724

HEALTH HAZARDS

HAZARD RATING

() DANGER

() WARNING

(x) CAUTION

TYPE OF HAZARD Acute-Wet plastic, unhardened concrete, can dry the skin and cause alkal burns (cement dermatitis)
Chronic-Hypersensitive individuals may develop an allergic dermatitis.

SYMPTOMS OF EXPOSURE Irritation of skin and burning sensation particularly when exposure is in an area of skin previously subjected to abrasion or irritation.

EFFECTS OF EXPOSURE No medical conditions generally aggravated by exposure are known

EMERGENCY FIRST AID

Irrigate eyes with water wash exposed areas of body with soap and water

FIRE, EXPLOSION, AND REACTIVITY DATA

EXTINGUISHING AGENTS AND FIRE FIGHTING METHODS

NA

FLASH POINT

FLAMMABLE OR EXPLOSIVE LIMIT

OPEN CUP NA ° C CLOSED CUP NA ° C

LOWER NA % UPPER NA %

IGNITION TEMPERATURE NA ° C

AUTO-IGNITION TEMPERATURE NA ° C

PRODUCTS FORMED BY FIRE OR EXCESSIVE HEAT
NA

CONDITIONS TO AVOID

NA

STABILITY

(x) Stable

() Unstable -- Explain Conditions

Product stiffens and hardens in 2 to 8 hours and is no longer hazardous

INCOMPATIBLE MATERIALS AND REACTIONS

NONE

PRODUCTS OF DECOMPOSITION

NONE

HAZARDOUS POLYMERIZATION

(x) Will not occur

() May occur -- Explain Reaction and Products

PROTECTION EQUIPMENT

PERSONAL PROTECTION Barrier creams, gloves, boots and clothing to protect the skin from prolonged contact with plastic concrete. Particularly avoid abrasion of the skin in contact with unhardened plastic concrete. Precautions must be observed because cement burns occur with little warning--little heat is sensed

VENTILATION

NA

ADDITIONAL PROTECTIVE EQUIPMENT Eye protection is not generally required except when placing methods cause splash when tightfitting goggles should be used.

HANDLING AND STORAGE

HANDLING AND STORAGE METHODS

NA - Perishable

LEAKAGE AND SPILL CONTROL Spill does not increase hazard

WASTE DISPOSAL Material can be retained until it hardens when it can be disposed of as common waste

MEDICAL MANAGEMENT

GENERAL INSTRUCTIONS See health hazards and first aid

PERSONAL HYGIENE See emergency first aid

MEDICAL RECORDS

PRE-PLACEMENT NA PERIODIC NA

EXPOSURE LIMITS

THRESHOLD LIMIT VALUE NA CEILING CONCENTRATION NA

ODOR THRESHOLD NA OTHER NONE

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE plastic, flowable, granular mud

COLOR Gray ODOR NONE

CHEMICAL FORMULA Mixtures of portland or blended cements, concrete aggregates and chemical admixtures.

CHEMICAL COMPOSITION (BE SPECIFIC)

COMPOUND	PERCENT	TLV	COMPOUND	PERCENT	TLV
$3\text{CaO} \cdot \text{SiO}_2$			$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$		
$2\text{CaO} \cdot \text{SiO}_2$			$4\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Fe}_2\text{O}_3$		
$3\text{CaO} \cdot \text{Al}_2\text{O}_3$					

BOILING POINT NA °C MELTING POINT NA °C

VAPOR PRESSURE NA VAPOR DENSITY NA

PERCENTAGE VOLATILE NA EVAPORATION RATE NA

SPECIFIC GRAVITY NA pH CONCENTRATION NA

SOLUBILITY slight (0.01 to 1%)

CORROSIVENESS NA

ADDITIONAL COMMENTS

ATTACH THE FOLLOWING:

SAFETY INFORMATION FROM PRODUCT LABEL -- ATTACH LABEL OR QUOTE

PRODUCT INFORMATION DATA SHEETS

OTHER MATERIALS Cements Traces of CaO , MgO , K_2SO_4 , and Na_2SO_4

other ingredients: Concrete aggregates, inert gravel, sand and rocks admixtures, may include fly ash, granulated slag and very small amounts of organic and inorganic materials which have no effect on the hazards associated with the use of the product.

FORM COMPLETION DATE

November 30, 1994

FORM REVISION DATE

September 25, 2010