

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY
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MANUFACTURER'S NAME / ADDRESS

ARIZONA POLYMER FLOORING
 4565 W WATKINS ST.
 PHOENIX, AZ 85043 .

TRADE NAME: CASTORCRETE® RT, SL, TG, CM PART D
CHEMICAL FAMILY: CEMENT BASED AGGREGATE
MAIN USE: AGGREGATE FOR SPECIALTY FLOORING

EMERGENCY TELEPHONE NUMBER: (800) 424-9300 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION
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GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION: HAZARDOUS
CARCINOGENICITY: CATEGORY 1A
SKIN CORROSION: CATEGORY 1A
EYE DAMAGE: CATEGORY 1
SKIN SENSITIZATION: SUB-CATEGORY 1B

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

HAZARD STATEMENTS:

H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE
 H317: MAY CAUSE AN ALLERGIC SKIN REACTION
 H335: MAY CAUSE RESPIRATORY TRACT IRRITATION
 H350: MAY CAUSE CANCER
 H371: CAUSES DAMAGE TO LUNGS THROUGH PROLONGED OR REPEATED EXPOSURE BY INHALATION

PRECAUTIONARY STATEMENTS:

PREVENTION

P202: DO NOT HANDLE UNTIL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD
 P260: DO NOT BREATHE DUST
 P270: DO NO EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT
 P272: CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE
 P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION
 P284: IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION

RESPONSE

P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.
 P303+P361+353: **IF ON SKIN (OR HAIR):** REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER
 P305+P351+P338: **IF IN EYES:** RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING.
 P304+P340 **IF INHALED:** REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHIN
 P301+P331: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING

HIGH PERFORMANCE CONCRETE COATING SYSTEM

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P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION
 P333+P313: IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
 P361+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE
 P391: COLLECT SPILLAGE

STORAGE

P403+P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL

DISPOSAL

P501: DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

OTHER HAZARDS

NO DATA AVAILABLE

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	Wt %	CAS Number
CRYSTALLINE SILICA	40-70	014808-60-7
DOLOMITIC LIMESTONE	10-30	001317-65-3
PORTLAND CEMENT	7-15	065997-15-1
CALCIUM HYDROXIDE	5-10	001305-62-0

SECTION 4: FIRST AID MEASURES

GENERAL: IN DRY FORM THE POWDER POSES LITTLE IMMEDIATE HAZARD. EXPOSURE OF SUFFICIENT DURATION TO WET MATERIAL CAN CAUSE TISSUE DAMAGE.

EYES: FLUSH WITH WATER FOR 15 MINUTES. AVOID RUBBING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN: WASH WITH MILD SOAP AND WATER. SEEK MEDICAL TREATMENT WITH LONG EXPOSURES TO WET PRODUCT.

INHALATION: REMOVE AFFECTED PERSON TO FRESH AIR. SEEK MEDICAL ATTENTION IF COUGHING OR OTHER SYMPTOMS DO NOT SUBSIDE.

INGESTION: GIVE 3 – 4 GLASSES OF WATER OR MILK IF PERSON CONSCIOUS. **DO NOT INDUCE VOMITING!** OBTAIN MEDICAL CARE AND TREATMENT.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: NONE

CONDITIONS OF FLAMMABILITY: NA

FLAMMABLE LIMITS: LEL: ND UEL: ND

OSHA CLASS: NOT REGULATED

AUTO IGNITION TEMP: ND

HAZARDOUS COMBUSTION PRODUCTS: NONE

SENSITIVITY TO IMPACT: ND

SENSITIVITY TO STATIC DISCHARGE: ND

EXTINGUISHING MEDIA: NA

SPECIAL FIRE FIGHTING PROCEDURES: NOT IGNITABLE

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: NA

FLASH POINT: NA

OSHA CLASS: NONE SHOWN

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SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: USE DUSTLESS METHODS (VACUUM) AND PLACE IN CLOSABLE CONTAINERS FOR DISPOSAL. SCRAPE UP WET MATERIAL AND PLACE IN CONTAINERS. ALLOW TO DRY BEFORE DISPOSAL. WEAR PROTECTIVE EQUIPMENT AS SHOWN IN SECTION 8.

SECTION 7: HANDLING AND STORAGE

GENERAL: AVOID GENERATING AND BREATHING DUST. USE ONLY WITH ADEQUATE VENTILATION. KEEP CONTAINER CLOSED. WASH THOROUGHLY AFTER HANDLING.

STORAGE: STORE IN COOL, DRY SPACES. HANDLE IN MANNERS WHICH PREVENT DUST.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
014808-60-7	0.1mg/m ³	ND	0.05mg/m ³	ND	Respirable Dust
001317-65-3	15mg/m ³	ND	10mg/m ³	ND	Respirable Dust
065997-15-1	10mg/m ³	ND	10mg/m ³	ND	Respirable Dust
001305-62-0	5mg/m ³	ND	5mg/m ³	ND	Respirable Dust

LEGEND: (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT, (+) PERCUTANEOUS RISK
NOTE 1: VALUES MEANINGFUL ONLY WHEN HARDENED PRODUCT IS ABRADED, GROUND, ETC.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: NONE AS REQUIRED. NIOSH-MSHA APPROVED RESPIRATORS (PAPER DISPOSABLE; ½ OR FULL FACE PIECE AIR PURIFYING; SUPPLIED AIR – DEPENDENT UPON PEL LEVELS).

<5X PEL – ANY DUST RESPIRATOR.

5<10X PEL – ANY DUST RESPIRATOR (EXCEPT SINGLE USE OR ¼ MASK). ANY FUME OR HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR.

10<50X PEL – HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR WITH FULL FACE PIECE.

50<500X PEL – POWERED AIR-PURIFYING RESPIRATOR WITH PARTICULATE FILTER.

>500X PEL - SELF-CONTAINED BREATHING APPARATUS.

PROTECTIVE GLOVES: NITRILE RUBBER

EYE PROTECTION: SPLASH-PROOF GOGGLES OR CHEMICAL SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

ENGINEERING CONTROLS: NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 2230°C (4046°F)

SPECIFIC GRAVITY: 2.45

VAPOR PRESSURE: NA

MELTING POINT: NA

VAPOR DENSITY: NA
(AIR = 1)

EVAPORATION RATE: NA
(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: VERY SLIGHT

pH: 8-11.5

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

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APPEARANCE AND ODOR: COLORED GRANULAR POWDER, NO DISTINCT ODOR.

% VOLATILES BY VOLUME: 0%

% SOLIDS BY WEIGHT: 100%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE;

CONDITIONS TO AVOID: NOT APPLICABLE (MATERIAL IS STABLE)

INCOMPATIBILITY (MATERIAL TO AVOID): VERY STRONG OXIDIZING AGENTS MAY CAUSE FIRES. AVOID ACIDS AND AMMONIUM SALTS.

HAZARDOUS DECOMPOSITION PRODUCTS: WATER PRODUCES HYDRATION AND FORMATION OF CAUSTIC CALCIUM HYDROXIDE.

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION.

EYES:

ACUTE – MAY CAUSE IRRITATION OR INFLAMMATION. ABRASIVE TO EYES.

CHRONIC – REPEATED CONTACT MAY CAUSE CHEMICAL BURNS RESULTING IN CORNEAL DAMAGE

SKIN CONTACT:

ACUTE – IRRITATION/DISCOMFORT MAY OCCUR.

CHRONIC – (CAUSTIC) CHEMICAL BURNS CAN OCCUR.

SKIN ABSORPTION:

ACUTE – ND

CHRONIC – ND

INHALATION:

ACUTE – MAY CAUSE IRRITATION. COUGHING OR SHORTNESS OF BREATH MAY RESULT

CHRONIC – PERSISTENT COUGH. SHORTNESS OF BREATH.

INGESTION:

ACUTE – ND

CHRONIC – ND

CONDITIONS AGGRAVATED BY EXPOSURE: PROLONGED INHALATION OF ANY DUST PARTICULATE MAY AGGRAVATE RESPIRATORY MEDICAL CONDITIONS.

ACUTE TOXICITY

ACUTE ORAL TOXICITY: ND

SKIN CORROSION/IRRITATION

DOT SKIN CORROSION STUDY: CORROSIVE IN ALL RABBITS AT 3 MINUTES EXPOSURE

SERIOUS EYE DAMAGE/EYE IRRITATION

SEVERE EYE IRRITATION

SENSITIZATION

FOR SKIN SENSITIZATION:

MAY CAUSE AN ALLERGIC REACTION AFTER A SINGLE EXPOSURE OR WITH REPEATED OR PROLONGED SKIN CONTACT

FOR RESPIRATORY SENSITIZATION:

NOT CLASSIFIED BUT POSSIBLE DUE TO SKIN SENSITIZATION EFFECT

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SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

CATEGORY 3, INHALATION AND SKIN CONTACT, RESPIRATORY TRACT IRRITATION, SKIN IRRITATION

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)

CATEGORY 1, INHALATION, RESPIRATORY TRACT

CARCINOGENIC DATA: NTP: YES OSHA: NO IARC: YES (1A)
TERATOGENICITY: ND MUTAGENICITY: ND
EMBRYOTOXICITY: ND SYNERGISTIC MATERIAL: ND

OVEREXPOSURE EFFECTS: REPEATED, PROLONGED INHALATION OF EXCESSIVE QUANTITIES OF QUARTZ DUST MAY RESULT IN DELAYED LUNG DISEASE (SILICOSIS). WET CEMENT CAN CAUSE ALKALI BURNS AND DRY THE SKIN. DUST MAY CAUSE EYE AND NOSE INFLAMMATION.

IRRITANCY: YES
SENSITIZER: YES

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

ACUTE TOXICITY TO FISH: ND

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: ND

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: ND

TOXICITY TO BACTERIA: ND

PERSISTANCE AND DEGRADABILITY

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION: ND

MOBILITY IN SOIL: ND

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: DISPOSE IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: NA

UN NUMBER: NA

PACKAGING GROUP: NA

DOT PRODUCT RQ LBS (KGS): NA

HAZARD LABEL: NA

HAZARD PLACARD NA

IMO SHIPPING DATA: NOT REGULATED

ICAO/IATA SHIPPING DATA: NOT REGULATED

ADDITIONAL INFORMATION: NONE

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SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT = 0 gms/Liter **AS APPLIED** (Part of a multi-component system) = 0 gms/Liter

TSCA (TOXIC SUBSTANCE CONTROL ACT): ALL COMPONENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT): ND

SARA TITLE III

SECTION 312 HAZARD CLASS: HAZARDOUS SUBSTANCE WITH DELAYED HEALTH EFFECTS.

SECTION 313 LISTED INGREDIENTS: NONE ABOVE de Minimus LEVELS

CALIFORNIA PROPOSITION 65: THE BELOW LIST OF COMPOUNDS IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: CAS # 14808-60-7

SECTION 16: OTHER INFORMATION

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REVISION DATE:

PREPARED BY: J.W. ESSIG

HAZARD RATING

HMIS: **HEALTH** **3** **FLAMMABILITY** **0** **REACTIVITY** **0**

LEGEND

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

STEL: SHORT TERM EXPOSURE LIMIT

TWA: TIME WEIGHTED AVERAGE

PEL: PERMISSIBLE EXPOSURE LIMIT

TLV: THRESHOLD LIMIT VALUE

NA: NOT APPLICABLE

NE: NOT ESTABLISHED

ND: NO DATA

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