

# SAFETY DATA SHEET

ACLP

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY



ArcusStone®

ArcusStone Products, LLC  
180 Harbor Drive, Suite 200.  
Sausalito, CA. 94965

**TRADE NAME:** Arcus LimePlaster  
**CHEMICAL FAMILY:** Cement based aggregate  
**MAIN USE:** Aggregate for specialty coating

**EMERGENCY TELEPHONE NUMBER:** 415-339-4060

## SECTION 2: HAZARDS IDENTIFICATION

### 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 NOT 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 BREATHING P301+P331: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING

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

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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	30-60	014808-60-7
DOLOMITIC LIMESTONE	30-60	001317-65-3
PORTLAND CEMENT	30-60	065997-15-1
CALCIUM HYDROXIDE	1-5	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

### 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.

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## 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

### EXPOSURE LIMITS (ppm)

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

**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  
(= 1)

**EVAPORATION RATE:** NA (AIR  
(BUTYL ACETATE = 1)

**SOLUBILITY IN WATER:** VERY SLIGHT

**pH:** 8-11.5 **COEFFICIENT of**

**WATER/OIL DISTRIBUTION:** ND

**ODOR THRESHOLD:** ND

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

**% VOLATILES BY VOLUME:** 0%

**%SOLIDS BY WEIGHT:** 100%

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### 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:

ND

EMBRYOTOXICITY: ND

NTP: YES

OSHA: NO IARC: YES (1A) TERATOGENICITY:

MUTAGENICITY: 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) = 0gms/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

**INITIAL ISSUE DATE:** OCTOBER 30, 2017

### 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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