

SAFETY DATA SHEET

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

MANUFACTURER'S NAME / ADDRESS

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

TRADE NAME: ALUMINUM OXIDE
CHEMICAL FAMILY: ALUMINA
MAIN USE: SLIP RESISTANT AGGREGATE

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION:

ACUTE TOXICITY: CATEGORY 4 (INHALATION)

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: WARNING!

HAZARD STATEMENTS:

H332: HARMFUL IF INHALED

PRECAUTIONARY STATEMENTS:

PREVENTION

P261: AVOID BREATHING DUST

P271: USE ONLY OUTDOORS OR IN A WELL VENTILATED AREA

P284: IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION

RESPONSE

P304+P340 **IF INHALED:** REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING

P314: GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL

OTHER HAZARDS

NONE

EMERGENCY OVERVIEW:

MATERIAL HAS NO ODOR AND IS NOT FLAMMABLE. IT DOES NOT CAUSE BURNS OR SEVERE SKIN OR EYE IRRITATION. A SINGLE EXPOSURE WILL NOT RESULT IN SERIOUS ADVERSE HEALTH EFFECTS. ALUMINUM OXIDE IS NOT KNOWN TO BE AN ENVIRONMENTAL HAZARD

PERSONAL PROTECTIVE EQUIPMENT- RESPIRATOR- IS NOT REQUIRED UNLESS THE CONCENTRATION OF RESPIRABLE DUSTS EXCEEDS APPLICABLE OCCUPATIONAL EXPOSURE LEVELS.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	Wt %	CAS Number
ALUMINUM OXIDE	60-100	001344-28-1

SECTION 4: FIRST AID MEASURES

GENERAL: MOVE OUT OF DANGEROUS AREA

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

SKIN: ND

INHALATION: MOVE TO FRESH AIR. GIVE ASSISTED RESPIRATION IF BREATHING HAS STOPPED OR IS LABORED (CALL A PHYSICIAN).

INGESTION: ND

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

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. 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	
001344-28-1	5mg/m ³	ND	1mg/m ³
	ND		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.

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION CON'T.

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^oC (4046^oF)

SPECIFIC GRAVITY: 4.0

VAPOR PRESSURE: NA

MELTING POINT: NA

VAPOR DENSITY: NA
(AIR = 1)

EVAPORATION RATE: NA
(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: INSOLUBLE

pH: ND

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

APPEARANCE AND ODOR: 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): HYDROFLUORIC ACID, FLUORINE, CHLORINE TRIFLORIDE OR OXYGEN DIFLOURIDE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

HAZARDOUS POLYMERIZATION (REACTIVITY): ND

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 – – ND

SKIN CONTACT:

ACUTE – ND

CHRONIC – ND

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SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

SKIN ABSORPTION:

ACUTE – ND

CHRONIC – ND

INHALATION:

ACUTE – MAY CAUSE IRRITATION.

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: LD50: >10,000 mg/kg SPECIES: RAT

ACUTE DERMAL TOXICITY: ND

ACUTE INHALATION TOXICITY: LC50 (4 HR): > 2.6mg/l SPECIES: RAT

SKIN CORROSION/IRRITATION

REPEATED OR PROLONGED SKIN CONTACT MAY LEAD TO IRRITATION

SERIOUS EYE DAMAGE/EYE IRRITATION

MAY BE AN EYE IRRITANT. EXPOSURE TO THE DUST MAY CAUSE DISCOMFORT DUE TO PARTICULATE NATURE. MAY CAUSE PHYSICAL IRRITATION TO THE EYES

SENSITIZATION

NON-SENSITIZER

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

ND

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)

ND

CARCINOGENIC DATA: NTP: YES OSHA: NO IARC: NO
TERATOGENICITY: ND MUTAGENICITY: ND
EMBRYOTOXICITY: ND SYNERGISTIC MATERIAL: ND

OVEREXPOSURE EFFECTS: COUGH, CHEST PAIN, DIFFICULTY IN BREATHING, GASTROINTESTINAL DISTURBANCE

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: NO TOXICITY AT THE LIMIT OF SOLUBILITY

PERSISTANCE AND DEGRADABILITY: NOT APPLICABLE TO INORGANIC SUBSTANCES

BIOACCUMULATIVE POTENTIAL: DOES NOT BIOACCUMULATE

MOBILITY IN SOIL: ND

SECTION 13: DISPOSAL CONSIDERATIONS

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

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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

SECTION 15: REGULATORY INFORMATION

VOC: = 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: ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

SECTION 313 LISTED INGREDIENTS: ALUMINUM OXIDE

CALIFORNIA PROPOSITION 65: THE BELOW LIST OF COMPOUNDS IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: NONE

SECTION 16: OTHER INFORMATION

INITIAL ISSUE DATE: AUGUST 20, 2015

REVISION DATE:

PREPARED BY: J.W. ESSIG

HAZARD RATING

HMIS: HEALTH 2 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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