

SAFETY DATA SHEET

FP5UVBLEND00

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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: POLYURETHANE 500/501 U.V. ABSORBER
COLOR: CLEAR AND PIGMENTED
MAIN USE: SPECIALTY FLOORING ADDITIVE

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION: HAZARDOUS

SKIN SENSITIZATION: SUB-CATEGORY 1A

ACUTE AQUATIC TOXICITY: CATEGORY 1

CHRONIC AQUATIC TOXICITY: CATEGORY 1

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: WARNING!

HAZARD STATEMENTS

H317: MAY CAUSE ALLERGIC SKIN REACTION

H411: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

PRECAUTIONARY STATEMENTS:

PREVENTION

P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

P272: CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE

P273: AVOID RELEASE TO THE ENVIRONMENT

P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION

RESPONSE

P302+P352: **IF ON SKIN:** WASH WITH PLENTY OF SOAP AND WATER

P333+P313: IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION

P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION

P361+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE

P391: COLLECT SPILLAGE

DISPOSAL

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

OTHER HAZARDS

NO DATA AVAILABLE

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	Wt. %	CAS Number
POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[3-[3-2H-BENZOTRIAZOL-2-YL)-5-(1-1DIMETHYLETHYL)-4-HYDROXYPHENYL]-1-OXOPROPYL]- .OMEGA.-[3-[3(2H- BENZOTRAZOL-2-YL)-5-(1,1-DIMETHYLETHYL)-4 HYDROXYPHENYL]-1-OXYPROPOXY]-	15-40	104810-48-2
POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-[3-[3-(2H-BENZOTRIAZOL-2-YL)-5-(1,1DIMETHYLETHYL)-4-HYDROXYPHENYL]-1-OXOPROPYL]- .OMEGA.-HYDROXY-BIS(1,2,2,6,6,PENTAMETHYL-4-PIPERIDYL)SEBACATE	15-40	104810-47-1
METHYL 1,2,2,6,6,PENTAMETHYL-4-PIPERIDYL SEBACATE	15-40	041556-26-7
	7-15	082919-37-7

SECTION 4: FIRST AID MEASURES

GENERAL: REMOVE PERSON FROM AFFECTED AREA AND MAKE COMFORTABLE. TREAT SYMPTOMATICALLY.

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: REMOVE PRODUCT AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

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

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: 114°C (237°F) TCC

CONDITIONS OF FLAMMABILITY: NA

FLAMMABLE LIMITS: LEL: ND UEL: ND

OSHA CLASS: NOT REGULATED

AUTO IGNITION TEMP: ND

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, ALDEHYDES, ACIDS

SENSITIVITY TO IMPACT: ND

SENSITIVITY TO STATIC DISCHARGE: ND

EXTINGUISHING MEDIA: IGNITION MAY GIVE RISE TO A CLASS B FIRE. IN CASE OF FIRE USE: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. WATER SPRAY IS USEFUL IN COOLING FIRE-EXPOSED VESSELS AND IN DISPERSING VAPORS.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: MAY GENERATE TOXIC OR IRRITATING COMBUSTION PRODUCTS. SUDDEN REACTION AND FIRE MAY RESULT IF PRODUCT IS MIXED WITH AN OXIDIZING AGENT.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SHUT OFF SOURCES OF IGNITION. COVER SPILLS WITH ABSORBENT. PLACE IN METAL CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT ENTRY INTO SEWERS, STORM DRAINS, AND WATERWAYS.

HIGH PERFORMANCE CONCRETE COATING SYSTEM

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SECTION 7: HANDLING AND STORAGE

GENERAL: STORE IN COOL, WELL VENTILATED AREAS. KEEP AWAY FROM HEAT AND OPEN FLAMES. AVOID PROLONGED INHALATION OF HEATED VAPORS OR MISTS. AVOID PROLONGED SKIN CONTACT.

STORAGE: AVOID TEMPERATURE EXTREMES. STORE AWAY FROM EXCESSIVE HEAT, FROM SOURCES OF IGNITION AND FROM REACTIVE MATERIALS.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
104810-48-2	NE	NE	NE	NE	
104810-47-1	NE	NE	NE	NE	
041556-26-7	NE	NE	NE	NE	
082919-37-7	NE	NE	NE	NE	

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.

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

RESPIRATORY PROTECTION: NONE REQUIRED IN ADEQUATELY VENTILATED AREAS. IF VAPOR CONCENTRATION EXCEEDS 20ppm FOR LONGER THAN 15 MINUTES, A NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS IS RECOMMENDED.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: >166°C (329°F)

SPECIFIC GRAVITY: 1.1-1.2

VAPOR PRESSURE: ND

MELTING POINT: ND

VAPOR DENSITY: ND
(AIR = 1)

EVAPORATION RATE: <1
(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: INSOLUBLE

pH: NA

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

APPEARANCE AND ODOR: CLEAR TO HAZY AMBER LIQUID, MILD 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): OXIDIZING AGENTS (PERCHLORATES, NITRATES), STRONG ACIDS, HYPOCHLORITES, PEROXIDES.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ACUTE ORAL TOXICITY

LD50, RAT >5,000 mg/kg

ACUTE DERMAL TOXICITY

LD50, RAT >2,000 mg/kg, NO MORTALITY WAS OBSERVED

ACUTE INHALATION TOXICITY

LC50 , >5.8 mg/kg, NO MORTALITY WAS OBSERVED

SKIN CORROSION/IRRITATION

RABBIT, NON-IRRITANT

SERIOUS EYE DAMAGE/EYE IRRITATION

RABBIT, NON-IRRITANT

SENSITIZATION

GUINEA PIG, SENSITIZER (OECD GUIDLINE 406)

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

EVALUATION OF AVAILABLE DATA SUGGESTS THIS MATERIAL IS NOT AN STOT-SE TOXICANT

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)

NO KNOWN CHRONIC EFFECTS

CARCINOGENIC DATA: NTP: NONE

OSHA: NONE

IARC: NONE

TERATOGENICITY: NO

MUTAGENICITY: NO

EMBRYOTOXICITY: NO

SYNERGISTIC MATERIAL: NO

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

ACUTELY TOXIC FOR AQUATIC ORGANISMS. THE INHIBITION OF DEGRADATION ACTIVITY OF ACTIVATED SLUDGE IS NOT ANTICIPATED WHEN INTRODUCED TO BIOLOGICAL TREATMENT PLANTS IN APPROPRIATE LOW CONCENTRATIONS.

THE PRODUCT HAS LOW SOLUBILITY IN THE TEST MEDIUM. AN AQUEOUS SOLUTION PREPARED WITH SOLUBILIZERS HAS BEEN TESTED. NOMINAL CONCENTRATION

ACUTE TOXICITY TO FISH-

LC50 (96 HRS): 2.8 mg/l

SPECIES: FATHEAD MINNOW

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SECTION 12: ECOLOGICAL INFORMATION CON'T.

ACUTE TOXICITY TO AQUATIC INVERTEBRATES:

EC50 (48 HRS): 4 mg/l SPECIES: DAPHNIA MAGNA

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS:

EC50 (72 HRS): >100 mg/l SPECIES: GREEN ALGAE

TOXICITY TO BACTERIA:

EC50(3 HRS): > 1000mg/l ACTIVATED SLUDGE

CHRONIC AQUATIC TOXICITY

CHRONIC TOXICITY TO AQUATIC INVERTEBRATES

LONG LASTING ADVERSE EFFECTS TO AQUATIC ORGANISMS

PERSISTANCE AND DEGRADABILITY

BIODEGRADABILITY: NOT READILY BIODEGRADABLE

BIODEGRADATION: 24%

EXPOSURE TIME: 28 DAYS

METHOD: OECD TEST GUIDLINE 301B OR EQUIVALENT

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION: DOES NOT SIGNIFICANTLY ACCUMULATE IN ORGANISMS

BIOCENTRATION FACTOR: 34 (502 h). FATHEAD MINNOW (OECD GUIDLINE 305)

MOBILITY IN SOIL

ADSORPTION TO SOLID SOIL PHASE IS EXPECTED

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: INCINERATE OR BURY IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL 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: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (contains BENZOTRIAZOLE DERIVATIVE), 9, PGIII

ICAO/IATA SHIPPING DATA: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (contains BENZOTRIAZOLE DERIVATIVE), 9, PGIII

ADDITIONAL INFORMATION: NONE

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SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT: 0 grams/Liter **AS APPLIED:** 0 grams/Liter (PART OF MULTI-COMPONENT SYSTEM)

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: NONE

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: NONE

SECTION 16: OTHER INFORMATION

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PREPARED BY: J.W. ESSIG

HAZARD RATING

HMIS: **HEALTH** **1** **FLAMMABILITY** **1** **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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