

## 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	7-15	041556-26-7 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, CO<sub>2</sub>, 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, CO<sub>2</sub>

**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

