

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
 7731 N. 68TH AVE.
 GLENDALE, AZ 85303

TRADE NAME: POLYURETHANE 501 MATTE PART A
COLOR: CLEAR
MAIN USE: SPECIALTY FLOORING RESIN

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

SECTION 2: HAZARDS IDENTIFICATION
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GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION: NOT CLASSIFIED AS HAZARDOUS

GHS LABEL ELEMENTS: NOT APPLICABLE

SIGNAL WORD: NONE

HAZARD STATEMENTS: NONE

PRECAUTIONARY STATEMENTS: NONE

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
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<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
SILICON DIOXIDE (AMORPHOUS)	1-5	112945-52-5

SECTION 4: FIRST AID MEASURES

GENERAL: REMOVE AFFECTED PERSON FROM AREA. TREAT SYMPTOMATICALLY.

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

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. IF BREATHING REMAINS OR BECOMES LABORED, SEEK MEDICAL ATTENTION.

INGESTION: GIVE 3 – 4 GLASSES OF MILK OR WATER. **DO NOT INDUCE VOMITING.** SEEK MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES
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FLASH POINT: NA

OSHA CLASS: NONE SHOWN

CONDITIONS OF FLAMMABILITY: NA

AUTO IGNITION TEMP.: NA

FLAMMABLE LIMITS: LEL: NE UEL: NE

SENSITIVITY TO IMPACT: NONE

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂,

SENSITIVITY TO STATIC DISCHARGE: NONE

EXTINGUISHING MEDIA: WATER, CO₂, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NONE LIKELY WITH SMALL QUANTITIES. FOR LARGE QUANTITIES, FIREFIGHTERS AND OTHERS EXPOSED TO VAPORS OR PRODUCTS OF COMBUSTION SHOULD WEAR BUTYL RUBBER BOOTS, GLOVES AND BODY SUIT. SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: POLYMER FILM CAN BURN, MATERIAL CAN SPLATTER ABOVE 100°C

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SECTION 6: ACCIDENTAL RELEASE MEASURES

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

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: STORE BETWEEN 40°F AND 100°F PROTECTED FROM FROST AND DIRECT SUNLIGHT.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
112945-52-5	NE	NE	NE	NE	

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: >100°C (>212° F)	SPECIFIC GRAVITY: 1.0-1.1
VAPOR PRESSURE: ND	MELTING POINT: ND
VAPOR DENSITY: >1 (AIR = 1)	EVAPORATION RATE: <1 (BUTYL ACETATE = 1)
SOLUBILITY IN WATER: DILUTABLE	pH: 8.0 TO 11.5
COEFFICIENT of WATER/OIL DISTRIBUTION: ND	ODOR THRESHOLD: ND
APPEARANCE AND ODOR: MILKY WHITE LIQUID, MILD ODOR	
% VOLATILES BY VOLUME: 69%	%SOLIDS BY WEIGHT: 35%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: AVOID ELEVATED TEMPERATURES

INCOMPATIBILITY (MATERIAL TO AVOID): NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR

CONDITIONS TO AVOID: KEEP FROM FREEZING

SPECIALIZED FLOOR COATINGS & DECORATIVE CONCRETE SYSTEMS

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SECTION 11: TOXICOLOGICAL INFORMATION

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

EYES:

ACUTE – MAY CAUSE MILD IRRITATION WITH BLURRED VISION.

CHRONIC– ND

SKIN CONTACT:

ACUTE – TRANSIENT IRRITATION AND REDNESS.

CHRONIC – ND

SKIN ABSORPTION:

ACUTE – ND

CHRONIC – ND

INHALATION:

ACUTE – INHALATION OF MISTS MAY CAUSE MILD RESPIRATORY TRACT IRRITATION.

CHRONIC – EXCESSIVE EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION OF EYES, NOSE AND THROAT.

INGESTION:

ACUTE – MAY CAUSE MILD IRRITATION OF GASTRO-INTESTINAL TRACT

CHRONIC – ND

CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN.

OVEREXPOSURE EFFECTS: IRRITATION

IRRITANCY: YES - REVERSIBLE

SENSITIZER: NO

ACUTE TOXICITY

ACUTE ORAL TOXICITY

LD50, RAT >5,000 mg/kg

SKIN CORROSION/IRRITATION

RABBIT, NON-IRRITANT

SERIOUS EYE DAMAGE/EYE IRRITATION

RABBIT, SLIGHT IRRITATION

CARCINOGENIC DATA: NTP: NONE

OSHA: NONE

IARC: NONE

TERATOGENICITY: NO

MUTAGENICITY: NO

EMBRYOTOXICITY: NO

SYNERGISTIC MATERIAL: NO

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

ACUTE TOXICITY TO FISH

LC50(96 HR): >100mg/l, DANIO RERIO (ZEBRA FISH)

ACUTE TOXICITY TO AQUATIC INVERTEBRATES

EC50(48 HR): 70.7 mg/l, DAPHNIA MAGNA (WATER FLEA),

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS

ND

TOXICITY TO BACTERIA

EC50: > 10,000mg/l

ACTIVATED SLUDGE

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SECTION 12: ECOLOGICAL INFORMATION CON'T.

PERSISTANCE AND DEGRADABILITY

BIODEGARADABILITY: NOT READILY BIODEGRADABLE

BIODEGRADATION: 60%

EXPOSURE TIME: 28 DAYS

METHOD: OECD TEST GUIDLINE 302B OR EQUIVALENT

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: NOT A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE 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

ADDITIONAL INFORMATION: NONE

SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT = 2 gms/Liter **AS APPLIED** (Part of a multi-component system) = 35 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: SLIGHT HEALTH HAZARD

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

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SECTION 16: OTHER INFORMATION**INITIAL ISSUE DATE:** JUNE 18, 2015**REVISION DATE:****PREPARED BY:** J.W. ESSIG**HAZARD RATING****HMIS:** **HEALTH 1** **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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