

## SAFETY DATA SHEET

FP1ACL00

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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 100 PART A  
COLOR: CLEAR  
MAIN USE: SPECIALTY FLOORING RESIN

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

### SECTION 2: HAZARDS IDENTIFICATION

#### GLOBALLY HARMONIZED SYSTEM (GHS)

##### CLASSIFICATION:

FLAMMABLE LIQUIDS: CATEGORY 3

EYE DAMAGE: CATEGORY 2B

#### GHS LABEL ELEMENTS

##### HAZARD PICTOGRAMS



SIGNAL WORD: WARNING!

#### HAZARD STATEMENTS

H226: FLAMMABLE LIQUID AND VAPOR

H320: CAUSES EYE IRRITATION

#### PRECAUTIONARY STATEMENTS:

##### PREVENTION

P210: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, AND HOT SURFACES. NO SMOKING

P233: KEEP CONTAINER TIGHTLY CLOSED

P240: GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT

P241: USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT

P242: USE ONLY NON-SPARKING TOOLS

P243: TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE

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

##### RESPONSE

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.

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

P370+P378: IN CASE OF FIRE: USE DRY CHEMICAL, CARBON DIOXIDE (CO<sub>2</sub>), FOAM, OR WATER SPRAY (FOR LARGE FIRES) TO EXTINGUISH

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<b>SECTION 2: HAZARDS IDENTIFICATION CON'T.</b>
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**DISPOSAL**

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

**OTHER HAZARDS**

NO DATA AVAILABLE

**EMERGENCY OVERVIEW:**

**DANGER!**  
 HARMFUL OR FATAL IF SWALLOWED  
 HARMFUL IF INHALED  
 CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION  
 CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING  
 ORGANS: BLOOD, KIDNEYS, LIVER, GASTROINTESTINAL TRACT,  
 RESPIRATORY TRACT, SKIN, NERVOUS SYSTEM, EYE, LENS OR CORNEA  
 FLAMMABLE LIQUID AND VAPOR  
 VAPOR MAY CAUSE FLASH FIRE  
 MAY BE HARMFUL IF ABSORBED THROUGH SKIN

<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENTS	Wt. %	CAS Number
1-METHOXY-2-PROPANOL ACETATE	10-30	000108-65-6
ETHYL-3-ETHOXYPROPIONATE	7-15	000763-69-9

<b>SECTION 4: FIRST AID MEASURES</b>
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**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.

<b>SECTION 5: FIRE FIGHTING MEASURES</b>
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**FLASH POINT:** 45.5C (114°F) TCC (PM ACETATE)

**CONDITIONS OF FLAMMABILITY:** NA

**FLAMMABLE LIMITS:** **LEL:** 1.5% **UEL:** 7.0%

**AUTO IGNITION TEMP.:** ND

**OSHA CLASS:** FLAMMABLE LIQUID, PACKING GROUP III

**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.

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<b>SECTION 5: FIRE FIGHTING MEASURES CON'T.</b>
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**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. SOLVENT VAPORS MAY BE HEAVIER THAN AIR. UNDER CONDITIONS OF STAGNANT AIR, VAPORS MAY BUILD UP AND TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>
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**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.

<b>SECTION 7: HANDLING AND STORAGE</b>
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**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. USE NON-SPARKING TOOLS AND GROUNDING CABLES WHEN TRANSFERRING. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY.

**STORAGE:** AVOID TEMPERATURE EXTREMES. STORE AWAY FROM EXCESSIVE HEAT, FROM SOURCES OF IGNITION AND FROM REACTIVE MATERIALS. MATERIAL CAN BURN; LIMIT INDOOR STORAGE TO AREAS EQUIPPED WITH AUTOMATIC SPRINKLERS. STORE OUT OF DIRECT SUNLIGHT IN A COOL PLACE. KEEP CONTAINERS TIGHTLY CLOSED. GROUND ALL METAL CONTAINERS DURING STORAGE AND HANDLING.

<b>SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION</b>
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INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
000108-65-6	100	150	100	150	
000763-69-9	50	100	50	100	

**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:** EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATION OF THE SOLVENTS BELOW THEIR RESPECTIVE TLV'S. EXHAUST AIR MAY NEED TO BE CLEANED BY SCRUBBERS OR FILTERS TO REDUCE ENVIRONMENTAL CONTAMINATION.

**PROTECTIVE GLOVES:** NITRILE RUBBER

**EYE PROTECTION:** SPLASH-PROOF GOGGLES OR CHEMICAL SAFETY GLASSES

**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.

**OTHER PROTECTIVE EQUIPMENT:** LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** >140°C (284°F) **SPECIFIC GRAVITY:** 1.05-1.15  
**VAPOR PRESSURE:** 3.7mmHg @ 20°C (68°F) **MELTING POINT:** ND  
**VAPOR DENSITY:** ND **EVAPORATION RATE:** <1  
(AIR = 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 LIQUID, AROMATIC SOLVENT ODOR  
**% VOLATILES BY VOLUME:** 58% **%SOLIDS BY WEIGHT:** 47%

### 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

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

**EYES:**

**ACUTE** – LIQUID, AEROSOLS OR VAPORS ARE SEVERELY IRRITATING AND CAN CAUSE PAIN, TEARING, REDDENING AND SWELLING. IF LEFT UNTREATED, CORNEAL DAMAGE CAN OCCUR AND INJURY IS SLOW TO HEAL. HOWEVER, DAMAGE IS USUALLY REVERSIBLE

**CHRONIC** – PROLONGED VAPOR CONTACT MAY CAUSE CONJUNCTIVITIS

**SKIN CONTACT:**

**ACUTE** – REPEATED OR PROLONGED SKIN CONTACT CAN RESULT IN DRY, DEFATTED AND CRACKED SKIN CAUSING INCREASED SUSCEPTIBILITY TO INFECTION. IN ADDITION IRRITATION MAY DEVELOP INTO DERMATITIS. SOLVENTS CAN PENETRATE THE SKIN AND MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER ACUTE INHALATION SYMPTOMS.

**CHRONIC** – MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER CHRONIC INHALATION EFFECTS.

**SKIN ABSORPTION:**

**ACUTE** – ND

**CHRONIC** – ND

**INHALATION:**

**ACUTE** – SOLVENT VAPORS ARE IRRITATING TO THE EYES NOSE AND THROAT. SYMPTOMS OF IRRITATION MAY INCLUDE RED, ITCHY EYES, DRYNESS OF THE THROAT AND A FEELING OF TIGHTNESS IN THE CHEST. OTHER POSSIBLE SYMPTOMS OF OVEREXPOSURE INCLUDE: HEADACHE, DIZZINESS, NAUSEA, NARCOSIS FATIGUE AND LOSS OF APPETITE.

**CHRONIC** – CHRONIC EXPOSURE TO ORGANIC SOLVENTS HAS BEEN ASSOCIATED WITH VARIOUS NEUROTOXIC EFFECTS INCLUDING PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. SYMPTOMS INCLUDE LOSS OF MEMORY, LOSS OF INTELLECTUAL ABILITY AND LOSS OF COORDINATION.

**INGESTION:**

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**SECTION 11: TOXICOLOGICAL INFORMATION CON'T.**

**ACUTE** – CAN RESULT IN IRRITATION OF THE DIGESTIVE TRACT. SYMPTOMS CAN INCLUDE SORE THROAT ABDOMINAL PAIN NAUSEA, VOMITING AND DIARRHEA. VOMITING MAY CAUSE ASPIRATION OF SOLVENT RESULTING IN CHEMICAL PNEUMONITIS

**CHRONIC** – ND

**CONDITIONS AGGRAVATED BY EXPOSURE:** SKIN DISORDERS AND ALLERGIES.

**ACUTE TOXICITY:** NO DATA ON THE PRODUCT ITSELF

**ACUTE ORAL TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LD50: 6190 mg/kg	SPECIES: RAT
ETHYL-3-ETHOXYPROPIONATE	LD50: >5000 mg/kg	SPECIES: RAT

**ACUTE DERMAL TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LD50: >5000 mg/kg	SPECIES: RAT
ETHYL-3-ETHOXYPROPIONATE	LD50: 4080 mg/kg	SPECIES: RAT

**ACUTE INHALATION TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LC50: >4345 ppm
ETHYL-3-ETHOXYPROPIONATE	LC50: >998 ppm

OECD TEST GUIDLINE 403

**SKIN CORROSION/IRRITATION**

NON-IRRITATING, RABBIT, OECD TEST GUIDLINE 404

**SERIOUS EYE DAMAGE/EYE IRRITATION**

SLIGHTLY IRRITATING, RABBIT

**SENSITIZATION**

DERMAL: NON-SENSITIZER (GUINEA PIG, MAGNUSSON/KLINGMAN (MAXIMIZATION TEST))

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)**

ND

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)**

ND

**CARCINOGENIC DATA: NTP:** NONE

**OSHA:** NONE

**IARC:** NONE

TERATOGENICITY: NO

MUTAGENICITY: NO

EMBRYOTOXICITY: NO

SYNERGISTIC MATERIAL: NO

**SECTION 12: ECOLOGICAL INFORMATION**

**TOXICITY**

**AQUATIC TOXICITY:** NO DATA ON THE PRODUCT ITSELF

**ACUTE TOXICITY TO FISH- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LC50 (96 HRS): 161 mg/l	SPECIES: FATHEAD MINNOW
ETHYL-3-ETHOXYPROPIONATE	LC50 (96 HRS): 55.3 mg/l	SPECIES: FATHEAD MINNOW

**ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	EC50 (48 HRS): 408 mg/l	SPECIES: DAPHNIA MAGNA
ETHYL-3-ETHOXYPROPIONATE	EC50 (48 HRS): 479.7 mg/l	SPECIES: DAPHNIA MAGNA

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**SECTION 12: ECOLOGICAL INFORMATION CON'T.**

**ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	EC50 (72 HRS): >1000 mg/l	SPECIES: GREEN ALGAE
ETHYL-3-ETHOXYPROPIONATE	EC50 (72 HRS): 114.9 mg/l	SPECIES: GREEN ALGAE

**TOXICITY TO BACTERIA: COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	EC50: > 1000mg/l	ACTIVATED SLUDGE
ETHYL-3-ETHOXYPROPIONATE	EC50: > 5000mg/l	ACTIVATED SLUDGE

**CHRONIC AQUATIC TOXICITY**

**CHRONIC TOXICITY TO AQUATIC INVERTEBRATES**

LONG LASTING ADVERSE EFFECTS TO AQUATIC ORGANISMS

**PERSISTANCE AND DEGRADABILITY**

**BIODEGRADABILITY:** READILY BIODEGRADABLE  
**BIODEGRADATION:** >90%  
**EXPOSURE TIME:** 28 DAYS  
**METHOD:** OECD TEST GUIDLINE 301B OR EQUIVALENT

**BIOACCUMULATIVE POTENTIAL**

**BIOACCUMULATION:** BIOCONCENTRATION POTENTIAL IS MODERATE (BCF BETWEEN 100 AND 3000 OR LOG P<sub>ow</sub> BETWEEN 3 AND 5)  
**PARTITION COEFFECIENT:** N-OCTANOL/WATER(LOG P<sub>ow</sub>): 1.35

**MOBILITY IN SOIL**

ND

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHODS:** INCINERATION IS REFERED. THIS PRODUCT SHOULD NOT BE ALLOWED TO ENTER DRAINS, WATER COURSES OR THE SOIL. PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION**

**DOT PROPER SHIPPING NAME:** UN1866, RESIN SOLUTION, FLAMMABLE (CONTAINS PM ACETATE), 3, PG III

**PACKAGING GROUP:** III

**DOT PRODUCT RQ LBS (KGS):** 800 LBS. (362.9 KGS)

**HAZARD LABEL:** FLAMMABLE LIQUID

**HAZARD PLACARD:** FLAMMABLE LIQUID

**IMO SHIPPING DATA:** UN1866, RESIN SOLUTION, FLAMMABLE (CONTAINS PM ACETATE), 3, PG III

**ICAO/IATA SHIPPING DATA:** UN1866, RESIN SOLUTION, FLAMMABLE (CONTAINS PM ACETATE), 3, PG III

**PASSENGER AIR MAX QUANTITY:** 60L

**PASSENGER PACKING INSTRUCTION:** 309

**CARGO AIR- MAX QUANTITY:** 220L

**CARGO AIR INSTRUCTION NUMBER:** 310

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**SECTION 15: REGULATORY INFORMATION**

VOC: COMPONENT = 530 gms/Liter                      AS APPLIED (Part of a multi-component system) = 350 gms/Liter

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** ALL COMPONENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT):** NA

**SARA TITLE III**

**SECTION 312 HAZARD CLASS:** IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED HEALTH HAZARD; FIRE HAZARD.

**SECTION 313 LISTED INGREDIENTS:** NONE

**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:** MAY 27, 2015

**REVISION DATE:**

**PREPARED BY:** J.W. ESSIG

**HAZARD RATING**

**HMIS:**                                              **HEALTH 2                      FLAMMABILITY 1                      REACTIVITY 1**

**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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