

## SAFETY DATA SHEET

FP1ACCELL

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

#### MANUFACTURER'S NAME / ADDRESS

ARIZONA POLYMER FLOORING  
7731 N. 68<sup>TH</sup> AVE.  
GLENDALE, AZ 85303

TRADE NAME: POLYURETHANE 100, 250 ACCELERATOR  
COLOR: CLEAR  
MAIN USE: CATALYST

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

### SECTION 2: HAZARDS IDENTIFICATION

#### GLOBALLY HARMONIZED SYSTEM (GHS)

##### CLASSIFICATION:

FLAMMABLE LIQUIDS: CATEGORY 3

SKIN CORROSION: CATEGORY 1C

SERIOUS EYE DAMAGE: CATEGORY 1

SKIN SENSITIZATION: CATEGORY 1

GERM CELL MUTAGENICITY: CATEGORY 2

REPRODUCTIVE TOXICITY: CATEGORY 1B

#### GHS LABEL ELEMENTS

##### HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

#### HAZARD STATEMENTS:

H226: FLAMMABLE LIQUID AND VAPOR

H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE

H334: MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED

H341: SUSPECTED OF CAUSING GENETIC DEFECTS

H360: MAY DAMAGE FERTILITY OR THE UNBORN CHILD

H317: MAY CAUSE AN ALLERGIC SKIN REACTION

H335: MAY CAUSE RESPIRATORY IRRITATION

#### PRECAUTIONARY STATEMENTS:

##### PREVENTION

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

P271: USE ONLY OUTDOORS OR IN WELL VENTILATED AREA

P261: AVOID BREATHING MIST/VAPORS

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

P273: AVOID RELEASE TO THE ENVIRONMENT

P284: (IN CASE OF INADEQUATE VENTILATION) WEAR RESPIRATORY PROTECTION.

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

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

SPECIALIZED FLOOR COATINGS & DECORATIVE CONCRETE SYSTEMS

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

P303+P361+353: **IF ON SKIN (OR HAIR):** REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER

P333+P311: IF SKIN IRRITATION OR RASH OCCURS: CALL A POISON CENTER OR DOCTOR/PHYSICIAN

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

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.

P362+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

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

**STORAGE**

P403+P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL

P233: KEEP CONTAINER TIGHTLY CLOSED

**DISPOSAL**

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

**OTHER HAZARDS**

NO DATA AVAILABLE

**EMERGENCY OVERVIEW:**

DANGER!  
 REPRODUCTIVE TOXIN  
 SUSPECTED OF CAUSING GENETIC DEFECTS  
 MAY CAUSE SENSITIZATION BY SKIN CONTACT  
 FLAMMABLE LIQUID AND VAPOR  
 VAPOR MAY CAUSE FLASH FIRE

<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
METHYL ETHYL KETONE	60-100	000078-93-3
DIBUTYLTIN DILAURATE	0.1-1.0	000077-58-7

<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.

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### SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT:** -9.0°C (23°F) TCC (MEK) **CONDITIONS OF FLAMMABILITY:** NA

**FLAMMABLE LIMITS:** **LEL:** 1.8% **UEL:** 10.0% **AUTO IGNITION TEMP.:** ND

**OSHA CLASS:** CORROSIVE, FLAMMABLE LIQUID, PACKING GROUP II

**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. 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.

### 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.

### 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. 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.

### SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
000078-93-3	200	NE	200	300	
000077-58-7	0.1mg/m <sup>3</sup>	0.2mg/m <sup>3</sup>	0.1mg/m <sup>3</sup>	0.2mg/m <sup>3</sup>	

**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.

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

**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.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** 79.6°C (284°F)

**SPECIFIC GRAVITY:** 0.80

**VAPOR PRESSURE:** 12.132 KPa @ 25°C (77°F)

**MELTING POINT:** ND

**VAPOR DENSITY:** 2.41  
(AIR = 1)

**EVAPORATION RATE:** 5.7  
(BUTYL ACETATE = 1)

**SOLUBILITY IN WATER:** PARTLY

**pH:** NA

**COEFFICIENT of WATER/OIL DISTRIBUTION:** ND

**ODOR THRESHOLD:** ND

**APPEARANCE AND ODOR:** CLEAR TO HAZY LIQUID, KETONE SOLVENT ODOR

**% VOLATILES BY VOLUME:** 99%

**%SOLIDS BY WEIGHT:** 1%

### 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.

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

**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:**

**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**

METHYL ETHYL KETONE	LD50: 3400 mg/kg	SPECIES: RAT
DIBUTYL TIN DILAURATE	LD50: >2000 mg/kg	SPECIES: RAT

**ACUTE DERMAL TOXICITY- COMPONENTS**

METHYL ETHYL KETONE	LD50: 129600 mg/kg	SPECIES: RABBIT
DIBUTYL TIN DILAURATE	LD50: >2000 mg/kg	SPECIES: RAT

**ACUTE INHALATION TOXICITY- COMPONENTS** OECD TEST GUIDELINE 403

METHYL ETHYL KETONE	LC50: 2000 ppm
DIBUTYL TIN DILAURATE	ND

**SKIN CORROSION/IRRITATION**

DOT SKIN CORROSION STUDY: CORROSIVE IN ALL RABBITS AT 3 MINUTES EXPOSURE

**SERIOUS EYE DAMAGE/EYE IRRITATION**

SEVERE EYE IRRITATION

**SENSITIZATION**

FOR SKIN SENSITIZATION:

MAY CAUSE AN ALLERGIC REACTION AFTER A SINGLE EXPOSURE OR WITH REPEATED OR PROLONGED SKIN CONTACT

FOR RESPIRATORY SENSITIZATION:

NOT CLASSIFIED BUT POSSIBLE DUE TO SKIN SENSITIZATION EFFECT

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

ND

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

ND

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

**GERM CELL MUTAGENICITY:**

ANIMAL TESTING ON THISD SUBSTANCE INDICATE POSSIBLE MUTAGEN; TESTS ON BACTERIAL AND MAMMALIAN CELL CULTURES DID NOT SHOW MUTAGENIC EFFECTS.

**CARCINOGENIC DATA:**

NOT CLASSIFIED AS CARCINOGENIC. NOT LISTED BY OSHA/NTP/IARC

**REPRODUCTIVE TOXICITY:**

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. AVOID EXPOSURE TO WOMAN DURING EARLY PREGNANCY.

**SECTION 12: ECOLOGICAL INFORMATION**

**TOXICITY**

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

**ACUTE TOXICITY TO FISH- COMPONENTS**

METHYL ETHYL KETONE	LC50 (96 HRS): 5120 mg/l	SPECIES: FATHEAD MINNOW
DIBUTYL TIN DILAURATE	LC50 (96 HRS): 2 mg/l	SPECIES: FISH

**ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS**

METHYL ETHYL KETONE	ND	
DIBUTYL TIN DILAURATE	EC50 (48 HRS): 2.28 mg/l	SPECIES: DAPHNIA MAGNA

**PERSISTANCE AND DEGRADABILITY**

**BIODEGRADABILITY:** NOT READILY BIODEGRADABLE (BY OECD CRITERIA)

**BIOACCUMULATIVE POTENTIAL**

**BIOACCUMULATION:** ND  
**MOBILITY IN SOIL:** ND

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHODS:** INCINERATION IS PREFERED. 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:** UN1193, METHYL ETHYL KETONE, 3, PG II

**PACKAGING GROUP:** II **DOT PRODUCT RQ LBS (KGS):** 5000 LBS. (2272.7 KGS)

**HAZARD LABEL:** FLAMMABLE LIQUID **HAZARD PLACARD:** FLAMMABLE LIQUID

**IMO SHIPPING DATA:** UN1193, METHYL ETHYL KETONE, 3, PG II

**ICAO/IATA SHIPPING DATA:** UN1193, METHYL ETHYL KETONE, 3, PG II

**PASSENGER AIR MAX QUANTITY:** 5L **PASSENGER PACKING INSTRUCTION:** 353

**CARGO AIR- MAX QAUNTITY:** 60L **CARGO AIR INSTRUCTION NUMBER:** 364

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<b>SECTION 15: REGULATORY INFORMATION</b>
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**VOC: COMPONENT = 815 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

<b>SECTION 16: OTHER INFORMATION</b>
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**INITIAL ISSUE DATE:** OCTOBER 7, 2015

**REVISION DATE:**

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

**HAZARD RATING**

**HMS:**                                      **HEALTH    2                                      FLAMMABILITY    2                                      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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