

## SAFETY DATA SHEET

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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:** APF SUPER BASE NEUTRALIZER

**COLOR:** CLEAR

**MAIN USE:** ACID NUETRALIZER

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

### SECTION 2: HAZARDS IDENTIFICATION

#### GLOBALLY HARMONIZED SYSTEM (GHS)

##### CLASSIFICATION:

**CORROSIVE TO METALS:** (CATEGORY 1)

**ACUTE TOXICITY, ORAL:** (CATEGORY 4)

**SKIN CORROSION:** CATEGORY 1C

**EYE DAMAGE:** CATEGORY 1

**ACUTE AQUATIC TOXICITY:** (CATEGORY 3)

#### GHS LABEL ELEMENTS

##### HAZARD PICTOGRAMS



**SIGNAL WORD:** DANGER!

#### HAZARD STATEMENTS

H290: MAY BE CORROSIVE TO METALS

H302: HARMFUL IF SWALLOWED

H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE

H318: CAUSES SERIOUS EYE DAMAGE

H402: HARMFUL TO AQUATIC LIFE

#### PRECAUTIONARY STATEMENTS:

##### PREVENTION

P273: AVOID RELEASE TO THE ENVIRONMENT

P264: WASH SKIN THOROUGHLY AFTER HANDLING

P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT

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

##### RESPONSE

P303+P352: **IF ON SKIN:** WASH WITH PLENTY OF SOAP AND WATER

P305+P351+P338+P310: **IF IN EYES:** RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.

REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. IMMEDIATELY CALL A **POISON CENTER** OR DOCTOR/PHYSICIAN

P304+P340+P310 **IF INHALED:** REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. IMMEDIATELY CALL A **POISON CENTER** OR DOCTOR/PHYSICIAN

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<b>SECTION 2: HAZARDS IDENTIFICATION CON'T.</b>
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P301+P331: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING  
 P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION  
 P361+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE  
 P390: ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE

**STORAGE**

P405: STORE LOCKED UP  
 P406: STORE IN CORROSIVE RESISTANT STAINLESS STEEL CONTAINER WITH A RESISTANT INNER LINER.

**DISPOSAL**

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

**OTHER HAZARDS**

NO DATA AVAILABLE

<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
POTASSIUM HYDROXIDE	15-40	001310-58-3

<b>SECTION 4: FIRST AID MEASURES</b>
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**GENERAL:** REMOVE AFFECTED PERSON FROM AREA. TREAT SYMPTOMATICALLY.

**EYES:** IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST 30 MINUTES IS IMPERATIVE. SEEK MEDICAL ATTENTION.

**SKIN:** IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST 30 MINUTES IS INDICATED. IF IRRITATION PERSISTS, SEEK 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:** 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, CO<sub>2</sub>,

**SENSITIVITY TO STATIC DISCHARGE:** NONE

**EXTINGUISHING MEDIA:** WATER, CO<sub>2</sub>, 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:** CONTACT WITH REACTIVE METALS, E.G. ALUMINUM MAY RESULT IN THE GENERATION OF FLAMMABLE HYDROGEN GAS

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** COVER SPILLS WITH ABSORBENT. IF NECESSARY NEUTRALIZE SPILLS WITH DILUTE SOLUTION OF ACETIC ACID. PREVENT ENTRY INTO SEWERS, STORM DRAINS, WATERWAYS.

### SECTION 7: HANDLING AND STORAGE

**GENERAL:** STORE IN COOL, WELL VENTILATED AREAS. KEEP AWAY FROM HEAT AND OPEN FLAMES. AVOID INHALATION OF HEATED VAPORS OR MISTS. AVOID SKIN OR EYE CONTACT. KEEP AWAY FROM INCOMPATIBLES SUCH AS ACIDS, MOISTURE. NEVER ADD WATER TO THIS PRODUCT.

**STORAGE:** CORROSIVE MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET OR ROOM

### SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
001310-58-3	NE	NE	NE	NE	2 mg/m <sup>3</sup> (CEILING)

**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

<b>BOILING POINT:</b> >100°C (>212° F)	<b>SPECIFIC GRAVITY:</b> 1.3
<b>VAPOR PRESSURE:</b> ND	<b>MELTING POINT:</b> ND
<b>VAPOR DENSITY:</b> 0.62 (AIR = 1)	<b>EVAPORATION RATE:</b> ND (BUTYL ACETATE = 1)
<b>SOLUBILITY IN WATER:</b> DILUTABLE	<b>pH:</b> BASIC
<b>COEFFICIENT of WATER/OIL DISTRIBUTION:</b> ND	<b>ODOR THRESHOLD:</b> ND
<b>APPEARANCE AND ODOR:</b> CLEAR LIQUID, MILD ODOR	
<b>% VOLATILES BY VOLUME:</b> 70%	<b>% SOLIDS BY WEIGHT:</b> 30%

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### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** STABLE

**CONDITIONS TO AVOID:** NA

**INCOMPATIBILITY (MATERIAL TO AVOID):** EXTREMELY REACTIVE OR INCOMPATIBLE WITH ACIDS. ALUMINUM, ZINC, TIN, WOOD, PAPER, GLASS, NITROGEN CONTAINING ORGANICS, PHOSPHOROUS, ORGANIC PEROXIDES, HALOGEN COMPOUNDS.

**CORROSIVITY:** EXTREMELY CORROSIVE IN PRESENCE OF ALUMINUM. SLIGHTLY CORROSIVE TO CORROSIVE IN PRESENCE OF GLASS.

**CAUTION:** HEAT IS LIBERATED WHEN POTASSIUM HYDROXIDE AND WATER ARE MIXED WHICH CAN RESULT IN SPLATTERING OR DANGEROUS MISTS.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

**EYES:** CORROSIVE. CAUSES SEVERE EYE BURNS. VAPOR OR SPRAY MAY CAUSE EYE DAMAGE, IMPAIRED SIGHT OR BLINDNESS

**SKIN CONTACT:** CORROSIVE. CAUSES SEVERE SKIN BURNS

**SKIN ABSORPTION:** ND

**INHALATION:** – CORROSIVE. MAY CAUSE DAMAGE TO MUCOUS MEMBRANES IN NOSE, THROAT, LUNGS AND BRONCHIAL SYSTEM

**INGESTION:** CORROSIVE. MAY PRODUCE BURNS TO LIPS, ORAL CAVITY, UPPER AIRWAY, ESOPHAGUS AND POSSIBLY THE DIGESTIVE TRACT.

**CONDITIONS AGGRAVATED BY EXPOSURE:** ASTHMA, RESPIRATORY AND CARDIOVASCULAR DISEASE.

**OVEREXPOSURE EFFECTS:** CORROSIVE, PROLONGED CONTACT CAUSES SERIOUS TISSUE DAMAGE

IRRITANCY: YES

SENSITIZER: NO

#### ACUTE TOXICITY

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

**ACUTE ORAL TOXICITY-**

POTASSIUM HYDROXIDED LD50: 214 mg/kg SPECIES: RAT

**ACUTE DERMAL TOXICITY-** ND

**ACUTE INHALATION TOXICITY-** ND

#### SKIN CORROSION/IRRITATION

ND

#### SERIOUS EYE DAMAGE/EYE IRRITATION

ND

#### SENSITIZATION

ND

#### 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.

**CARCINOGENIC DATA:** NTP: NONE                      **OSHA:** NONE                      **IARC:** NONE  
TERATOGENICITY: ND                                      MUTAGENICITY: ND  
EMBRYOTOXICITY: ND                                      SYNERGISTIC MATERIAL: ND

### SECTION 12: ECOLOGICAL INFORMATION

#### TOXICITY

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

**ACUTE TOXICITY TO FISH-**  
ND

**ACUTE TOXICITY TO AQUATIC INVERTEBRATES:**  
ND

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

**TOXICITY TO BACTERIA:**  
ND

**CHRONIC AQUATIC TOXICITY**  
ND

#### PERSISTANCE AND DEGRADABILITY

**BIODEGRADABILITY:** ND

#### BIOACCUMULATIVE POTENTIAL

**BIOACCUMULATION:** ND

**MOBILITY IN SOIL:** ND

### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** IF THIS PRODUCT BECOMES A WASTE IT MEETS THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER 40 CFR 261 AND WOULD HAVE THE FOLLOWING EPA HAZARDOUS WASTE NUMBER D002. CHECK FOR DISPOSAL COMPLIANCE UNDER FEDERAL, STATE AND LOCAL AUTHORITIES.

### SECTION 14: TRANSPORT INFORMATION

**DOT PROPER SHIPPING NAME:** POTASSIUM HYDROXIDE SOLUTION

**UN NUMBER:** UN1814

**HAZARD CLASS:** 8

**PACKAGING GROUP:** II

**DOT PRODUCT RQ LBS (KGS):** 1000 LBS

**HAZARD LABEL:** CORROSIVE LIQUID

**HAZARD PLACARD:** CORROSIVE LIQUID

**IMO SHIPPING DATA:** UN1814, POTASSIUM HYDROXIDE SOLUTION, 8, PG II

**ICAO/IATA SHIPPING DATA:** UN1814, POTASSIUM HYDROXIDE SOLUTION, 8, PG II

**PASSENGER AIR MAX QUANTITY:** 1L

**PASSENGER PACKING INSTRUCTION:** 851

**CARGO AIR- MAX QAUANTITY:** 30L

**CARGO AIR INSTRUCTION NUMBER:** 855

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**SECTION 15: REGULATORY INFORMATION**

MATERIAL VOC = 0 gram / liter

COATING VOC = 0 gram/liter

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

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT): HAZARDOUS

**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

**SECTION 16: OTHER INFORMATION**

INITIAL ISSUE DATE: NOVEMBER 4, 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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