SAFETY DATA SHEET

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: LOW TEMP EPOXY PART B
COLOR: CLEAR
MAIN USE: SPECIALTY FLOORING CURATIVE

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)
CLASSIFICATION:
SKIN CORROSION: CATEGORY 1A
EYE DAMAGE: CATEGORY 1
SKIN SENSITIZATION: SUB-CATEGORY 1B
REPRODUCTIVE TOXICITY: CATEGORY 2
ACUTE TOXICITY, ORAL: CATEGORY 4
ACUTE TOXICITY, DERMAL: CATEGORY 4
AQUATIC TOXICITY: CATEGORY 1

GHS LABEL ELEMENTS
HAZARD PICTOGRAMS

SIGNAL WORD: DANGER!

HAZARD STATEMENTS
H302+H312: HARMFUL IN CONTACT WITH SKIN OR IF SWALLOWED
H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE
H317: MAY CAUSE AN ALLERGIC SKIN REACTION
H335: MAY CAUSE RESPIRATORY TRACT IRRITATION
H361: SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD
H410: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

PRECAUTIONARY STATEMENTS:
PREVENTION
P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
P202: DO NOT HANDLE UNTIL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD
P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY
P264: WASH SKIN THOROUGHLY AFTER HANDLING
P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT
P272: CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE
P273: AVOID RELEASE TO ENVIRONMENT
P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION

HIGH PERFORMANCE CONCRETE COATING SYSTEM
**SECTION 2: HAZARDS IDENTIFICATION CON’T.**

**RESPONSE**
P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.
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.
P304+P340 **IF INHALED:** REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING
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**
P391: **COLLECT SPILLAGE**

**STORAGE**
P405: STORE LOCKED UP

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

**OTHER HAZARDS**
NO DATA AVAILABLE

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>Wt. %</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZENE-1,3-DIMETHANEAMINE</td>
<td>15-40</td>
<td>001477-55-0</td>
</tr>
<tr>
<td>1,3-CYCLOHEXANEDIMETHANAMINE</td>
<td>10-30</td>
<td>002579-20-6</td>
</tr>
<tr>
<td>BENZYL ALCOHOL</td>
<td>10-30</td>
<td>000100-51-6</td>
</tr>
<tr>
<td>EPOXY POLYAMINE ADDUCT</td>
<td>10-30</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>PHENOL</td>
<td>1-5</td>
<td>000108-95-2</td>
</tr>
</tbody>
</table>

**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: 121°C (250°F) – PMCC  
OSHA CLASS: IIIIB

CONDITIONS OF FLAMMABILITY: NA  
AUTO IGNITION TEMP.: NA

FLAMMABLE LIMITS: LEL: NE  UEL: NE  
SENSITIVITY TO IMPACT: NONE

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, NH₃. NITROGEN OXIDES CAN BE PRODUCED IF HEATED, BURNED OR REACTED WITH INCOMPATIBLE MATERIALS. NITROGEN OXIDES CAN REACT WITH WATER VAPORS TO FORM CORROSIVE NITRIC ACID.

SENSITIVITY TO STATIC DISCHARGE: NONE

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: 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: 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.

SECTION 7: HANDLING AND STORAGE

HANDLING: AVOID CONTACT WITH SKIN AND EYES. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE. ADHERE TO WORK PRACTICE RULES ESTABLISHED BY GOVERNMENT REGULATIONS. USE PERSONAL PROTECTIVE EQUIPMENT. WHEN USING DO NOT EAT, DRINK OR SMOKE.

STORAGE: KEEP AWAY FROM OXIDIZERS, HEAT OR FLAME. STORE IN STEEL CONTAINERS. DO NOT STORE NEAR ACIDS. KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>INGREDIENTS (CAS)</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>001477-55-0</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>002579-20-6</td>
<td>NE</td>
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</tr>
<tr>
<td>000100-51-6</td>
<td>NE</td>
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<tr>
<td>000108-95-2</td>
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</tr>
<tr>
<td>028064-14-4</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

LEGEND: (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT; (+) PERCUTANEOUS RISK

NOTE 1: VALUES MEANINGFUL ONLY WHEN HARDENED PRODUCT IS ABRATED, GROUND, ETC.

ENGINEERING CONTROLS: NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.
SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION CON’T.

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 GOOGLES 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT</td>
<td>260°C (500°F)</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>0.96</td>
</tr>
<tr>
<td>VAPOUR PRESSURE</td>
<td>ND</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>0°C (32°F)</td>
</tr>
<tr>
<td>VAPOUR DENSITY</td>
<td>ND</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>ND</td>
</tr>
<tr>
<td>(AIR = 1)</td>
<td>(BUTYL ACETATE = 1)</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>pH</td>
<td>NE (ALKALINE)</td>
</tr>
<tr>
<td>COEFFICIENT of WATER/OIL DISTRIBUTION</td>
<td>ND</td>
</tr>
<tr>
<td>ODOR THRESHOLD</td>
<td>ND</td>
</tr>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>CLEAR TO AMBER LIQUID. AMMONIACAL ODOR.</td>
</tr>
<tr>
<td>% VOLATILES BY VOLUME</td>
<td>0%</td>
</tr>
<tr>
<td>% SOLIDS BY WEIGHT</td>
<td>100</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: AVOID ELEVATED TEMPERATURES

INCOMPATIBILITY (MATERIAL TO AVOID): OXIDIZING AGENTS (PEROXIDES, NITRATES), ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

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

EYES:
ACUTE – SEVERE IRRITANT. MAY CAUSE BURNS. VAPOR MAY CAUSE LACRIMATION AND REVERSIBLE CORNEAL EDEMA.
CHRONIC – CONJUNCTIVITIS OR CORNEAL DAMAGE.

SKIN CONTACT:
ACUTE – UNDILUTED PRODUCT QUICKLY CAUSES IRRITATION. MAY CAUSE CHEMICAL BURNS.
CHRONIC – MAY CAUSE ALLERGIC REACTION/SENSITIZATION, DEFATTING OF SKIN, RASH AND IRRITATION.

SKIN ABSORPTION:
ACUTE – ND
CHRONIC – ND
INHALATION:
ACUTE – VAPORS MAY CAUSE DAMAGE TO CONTACTED TISSUE AND PRODUCE SCARRING.
CHRONIC- REPEATED AND/OR PROLONGED EXPOSURES CAN CAUSE TIGHTNESS OF CHEST, SHORTNESS OF BREATH AND COUGH.

INGESTION:
ACUTE – MAY CAUSE IRRITATION AND BLEEDING OF THE GASTROINTESTINAL TRACT
CHRONIC – SCARRING OF THE AFFECTED TISSUES MAY OCCUR.

ACUTE TOXICITY: NO DATA ON THE PRODUCT ITSELF

ACUTE ORAL TOXICITY- COMPONENTS
BENZENE-1,3-DIMETHANEAMINE LD50: 980 mg/kg SPECIES: RAT
1,3 CYCLOHEXANAMINE LD50: 700 mg/kg SPECIES: RAT
BENZYL ALCOHOL LD50: 1230 mg/kg SPECIES: RAT

ACUTE DERMAL TOXICITY- COMPONENTS
BENZENE-1,3-DIMETHANEAMINE LD50: 2000 mg/kg SPECIES: RABBIT
1,3 CYCLOHEXANAMINE LD50: 1700 mg/kg SPECIES: RABBIT
BENZYL ALCOHOL LD50: 2000 mg/kg SPECIES: RABBIT

ACUTE INHALATION TOXICITY- COMPONENTS
BENZYL ALCOHOL LC50 (4HR): > 4.178mg/l SPECIES: RAT
OECD TEST GUIDLINE 403

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

GERM CELL MUTAGENICITY:
ANIMAL TESTING ON THIS 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

1,3 CYCLOHEXANAMINE \( LC50 \) (96 HRS): 130 mg/l SPECIES: GOLDEN ORFE
BENZYL ALCOHOL \( LC50 \) (96 HRS): 460 mg/l SPECIES: FATHEAD MINNOW

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS

1,3 CYCLOHEXANAMINE \( EC50 \) (72 HRS): 33.1 mg/l SPECIES: DAPHNIA MAGNA
BENZYL ALCOHOL \( EC50 \) (72 HRS): 12 mg/l SPECIES: DAPHNIA MAGNA
PHENOL \( EC50 \) (48 HRS): 4-7 mg/l SPECIES: DAPHNIA MAGNA

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS

BENZENE-1,3-DIMETHANEAMINE \( EC50 \) (72 HRS): 12 mg/l SPECIES: FRESH WATER ALGAE
1,3 CYCLOHEXANAMINE \( EC50 \) (72 HRS): 56.7 mg/l SPECIES: FRESH WATER ALGAE
BENZYL ALCOHOL \( EC50 \) (72 HRS): 700 mg/l SPECIES: FRESH WATER ALGAE

TOXICITY TO BACTERIA: COMPONENTS

1,3 CYCLOHEXANAMINE \( EC50 \): > 1000mg/l ACTIVATED SLUDGE
BENZYL ALCOHOL ND
NONYLPHENOL \( EC50 \): 950 mg/l ACTIVATED SLUDGE

CHRONIC AQUATIC TOXICITY

CHRONIC TOXICITY TO AQUATIC INVERTEBRATES
LONG LASTING ADVERSE EFFECTS TO AQUATIC ORGANISMS

PERSISTANCE AND DEGRADABILITY

BIODEGRADABILITY: BASED ON STRINGENT OECD TEST GUIDELINES, THIS MATERIAL CANNOT BE CONSIDERED READILY BIODEGRADABLE; HOWEVER, THESE RESULTS DO NOT NECESSARILY MEAN THAT THE MATERIAL IS NOT BIODEGRADABLE UNDER ENVIRONMENTAL CONDITIONS.

BIODEGRADATION: 29%
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 \( P_{ow} \) BETWEEN 3 AND 5)
PARTITION COEFFICIENT: N-OCTANOL/WATER(\( P_{ow} \)): 3.16 @21.5°C ESTIMATED

MOBILITY IN SOIL
PRODUCT IS SOLUBLE IN WATER
PARTITION COEFFICIENT (\( K_{oc} \)): 1.473 ESTIMATED

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.
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SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME:
AMINES, LIQUID, CORROSIVE, N.O.S. (BENZENE-1,3-DIMETHANEAMINE)

HAZARD CLASS: 8  UN NUMBER: UN 2735  PACKING GROUP: III

IMO SHIPPING DATA:
UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (BENZENE-1,3-DIMETHANEAMINE), 8, PG III

ICAO/IATA SHIPPING DATA:
UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (BENZENE-1,3-DIMETHANEAMINE), 8, PG III

ADDITIONAL INFORMATION: NONE

SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT: 0 grams/Liter  AS APPLIED: 0 grams/Liter (PART OF MULTI-COMPONENT SYSTEM)

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: IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED (CHRONIC) HEALTH HAZARD
SECTION 313 LISTED INGREDIENTS: PHENOL

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


HAZARD RATING
HMIS: HEALTH 3  FLAMMABILITY 1  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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