

SAFETY DATA SHEET

FE4BWCFC00

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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: EPOXY 400 WALLCOATING PART B F.C.
COLOR: CLEAR
MAIN USE: SPECIALTY FLOORING RESIN

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION:

ACUTE TOXICITY- ORAL: CATEGORY 4
ACUTE TOXICITY-INHALATION: CATEGORY 4
SKIN CORROSION: CATEGORY 1B
EYE DAMAGE: CATEGORY 1
SKIN SENSITIZATION: CATEGORY 1
REPRODUCTIVE TOXICITY: CATEGORY 2

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
H361: SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD

PRECAUTIONARY STATEMENTS:

PREVENTION

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

RESPONSE

P303+P353+P361: **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

HIGH PERFORMANCE CONCRETE COATING SYSTEM

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SECTION 2: HAZARDS IDENTIFICATION CON'T.

DISPOSAL

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

HAZARDS NOT OTHERWISE CLASSIFIED

HARMFUL IF SWALLOWED
 MAY CAUSE SENSITIZATION BY SKIN CONTACT
 HARMFUL BY INHALATION
 CORROSIVE

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
BENZYL ALCOHOL	30-60	000100-51-6
BENZENE-1,3-DIMETHANEAMINE	10-30	001477-55-0
ISOPHORONEDIAMINE	10-30	002855-13-2
NONYLPHENOL	7-15	025154-52-3
PARATERTIARYBUTYLPHENOL	1-5	000098-54-4

SECTION 4: FIRST AID MEASURES

GENERAL: REMOVE PERSON FROM AFFECTED AREA AND MAKE COMFORTABLE. TREAT SYMPTOMATICALLY.

EYES: HOLD EYELIDS APART, INITIATE AND MAINTAIN GENTLE AND CONTINUOUS IRRIGATION UNTIL THE PATIENT RECIEVES MEDICAL CARE. IF MEDICAL CARE IS NOT PROMPTLY AVAILABLE CONTINUE TO IRRIGATE FOR ONE HOUR.

SKIN: IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND EXTRANEIOUS CHEMICAL, IF POSSIBLE TO DO WITHOUT DELAY. INITIATE AND MAINTAIN CONTINUOUS IRRIGATION UNTIL THE PATIENT RECIEVES MEDICAL CARE. IF MEDICAL CARE IS NOT PROMPTLY AVAILABLE CONTINUE TO IRRIGATE FOR ONE HOUR.

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.

NOTE TO PHYSICIANS: APPLICATION OF CORTICOSTEROID CREAM HAS BEEN EFFECTIVE IN TREATING SKIN IRRITATION

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 121°C (250°F) – PMCC

OSHA CLASS: IIIB

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.

SPECIALIZED FLOOR COATINGS & DECORATIVE CONCRETE SYSTEMS

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SECTION 5: FIRE FIGHTING MEASURES CON'T.

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

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
000100-51-6	10	NE	NE	NE	
001477-55-0	NE	NE	NE	NE	
002855-13-2	NE	NE	NE	NE	
025154-52-3	NE	NE	NE	NE	
000098-54-4	NE	NE	NE	NE	

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.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 260°C (500°F)	SPECIFIC GRAVITY: 0.96
VAPOR PRESSURE: ND	MELTING POINT: 0°C (32°F)
VAPOR DENSITY: ND (AIR = 1)	EVAPORATION RATE: ND (BUTYL ACETATE = 1)
SOLUBILITY IN WATER: <1%	pH: NE (ALKALINE)
COEFFICIENT of WATER/OIL DISTRIBUTION: ND	ODOR THRESHOLD: ND
APPEARANCE AND ODOR: CLEAR TO AMBER LIQUID, AMMONIACAL ODOR	
% VOLATILES BY VOLUME: 0%	% SOLIDS BY WEIGHT: 100%

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: NITRIC ACID, AMMONIA, NITROGEN OXIDES, CO, CO₂, ALDEHYDES, FLAMMABLE HYDROCARBON FRAGMENTS

HAZARDOUS POLYMERIZATION (REACTIVITY): ND

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EPOSURE: 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.

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SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

ACUTE TOXICITY: NO DATA ON THE PRODUCT ITSELF

ACUTE ORAL TOXICITY- COMPONENTS

BENZYL ALCOHOL	LD50: 1230 mg/kg	SPECIES: RAT
BENZENE-1,3-DIMETHANEAMINE	LD50: 980 mg/kg	SPECIES: RAT
ISOPHORONE DIAMINE	LD50: 1030 mg/kg	SPECIES: RAT
NONYLPHENOL	LD50: 1604 mg/kg	SPECIES: RAT
PARATERTIARYBUTYLPHENOL	LD50: 1951 mg/kg	SPECIES: RAT

ACUTE DERMAL TOXICITY- COMPONENTS

BENZYL ALCOHOL	LD50: 2000 mg/kg	SPECIES: RABBIT
BENZENE-1,3-DIMETHANEAMINE	LD50: 2000 mg/kg	SPECIES: RABBIT
ISOPHORONE DIAMINE	LD50: 1840 mg/kg	SPECIES: RABBIT
NONYLPHENOL	LD50: 2031 mg/kg	SPECIES: RABBIT
PARATERTIARYBUTYLPHENOL	LD50: 2288 mg/kg	SPECIES: RABBIT

ACUTE INHALATION TOXICITY- COMPONENTS

BENZYL ALCOHOL	LC50 (4 HR): > 4.178mg/l	SPECIES: RAT
	OECD TEST GUIDELINE 403	

SKIN CORROSION/IRRITATION

SEVER SKIN IRRITATION. CORROSIVE IN AN INVITRO TEST

SERIOUS EYE DAMAGE/EYE IRRITATION

SEVERE EYE IRRITATION

SENSITIZATION

ND

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

BENZYL ALCOHOL	LC50 (96 HRS): 460 mg/l	SPECIES: FATHEAD MINNOW
NONYLPHENOL	LC50 (96HRS): 0.14 mg/l	SPECIES: PIMEPHALES PROMELAS

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENT

BENZYL ALCOHOL	EC50 (72 HRS): 12 mg/l	SPECIES: DAPHNIA MAGNA
NONYLPHENOL	EC50 (48 HRS): 0.035 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
BENZYL ALCOHOL	EC50 (72 HRS): 700 mg/l	SPECIES: FRESH WATER ALGAE
NONYLPHENOL	LC50 (72 HRS): 0.056 mg/l	SPECIES: FRESH WATER ALGAE

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SECTION 12: ECOLOGICAL INFORMATION CON'T.

TOXICITY TO BACTERIA: COMPONENTS

NONYLPHENOL

EC50: 950 mg/l

ACTIVATED SLUDGE

CHRONIC AQUATIC TOXICITY

CHRONIC TOXICITY TO AQUATIC INVERTEBRATES

ND

PERSISTENCE AND DEGRADABILITY

BIODEGRADABILITY: ND

BIOACCUMULATIVE POTENTIAL; NO DATA ON PRODUCT ITSELF

BIOACCUMULATION: COMPONENTS:

BENZYL ALCOHOL: LOW BIOACCUMULATION POTENTIAL

MOBILITY IN SOIL

ND

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: THIS PRODUCT SHOULD NOT BE ALLOWED TO ENTER DRAINS, WATER COURSES OR THE SOIL. INCINERATION IS PREFERRED. COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. CHEMICAL AND/OR BIOLOGICAL DEGRADATION IS FEASIBLE.

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: II

IMO SHIPPING DATA:

UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (BENZENE-1,3-DIMETHANEAMINE), 8, PG II

ICAO/IATA SHIPPING DATA:

UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (BENZENE-1,3-DIMETHANEAMINE), 8, PG II

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.

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SECTION 16: OTHER INFORMATION

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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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