

SAFETY DATA SHEET

FRREPAIREPOXYB

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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: RAPID REPAIR EPOXY PART B
COLOR: CLEAR
MAIN USE: SPECIALTY FLOORING RESIN

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION:

SKIN CORROSION: CATEGORY 1
SERIOUS EYE DAMAGE: CATEGORY 1
SKIN SENSITIZATION: SUB-CATEGORY 1A
REPRODUCTIVE TOXICITY: CATEGORY 1B
GERM CELL MUTAGENICITY: CATEGORY 2
ACUTE TOXICITY, DERMAL: CATEGORY 3
ACUTE TOXICITY, ORAL: CATEGORY 4
ACUTE TOXICITY, INHALATION: CATEGORY 3

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

HAZARD STATEMENTS

H311+H331: TOXIC IN CONTACT WITH SKIN OR IF SWALLOWED
 H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE
 H317: MAY CAUSE AN ALLERGIC SKIN REACTION
 H331: TOXIC IF INHALED
 H335: MAY CAUSE RESPIRATORY TRACT IRRITATION
 H341: SUSPECTED OF CAUSING GENETIC DEFECTS
 H361: SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD
 H373: MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

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
 P271: USE ONLY OUTDOORS OR IN WELL VENTILATED AREA
 P272: CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE

HIGH PERFORMANCE CONCRETE COATING SYSTEM

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SECTION 2: HAZARDS IDENTIFICATION CON'T.

**PRECAUTIONARY STATEMENTS:
PREVENTION CON'T.**

P273: AVOID RELEASE TO ENVIRONMENT
 P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION
 P284: WEAR RESPIRATORY PROTECTION

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 BREATHIN
 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

HAZARDOUS INGREDIENTS	Wt. %	CAS Number
PHENOL	15-40	000108-95-2
BENZENE-1,3-DIMETHANEAMINE	15-40	001477-55-0
AMINOETHYL PIPERAZINE	15-40	000140-31-8
DIETHYLENETRIAMINE	1-5	000111-40-0
DIMETHYLAMINO(METHYL)PHENOL	1-5	025338-55-0
BENZYLDMETHYLAMINE	1-5	000103-83-3

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.

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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.

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	
000108-95-2	5	NE	5	NE	
001477-55-0	NE	NE	NE	NE	
000140-31-8	NE	NE	NE	NE	
000111-40-0	1	NE	1	NE	
025338-55-0	NE	NE	NE	NE	
000103-83-3	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.

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

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

BOILING POINT: 260°C (500°F)

SPECIFIC GRAVITY: 1.0-1.1

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: NONE KNOWN

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR

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

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SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

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
AMINOETHYL PIPERAZINE	LD50: 2140 mg/kg	SPECIES: RAT
BENZYLDMETHYLAMINE	LD50: 265 mg/kg	SPECIES: RAT

ACUTE DERMAL TOXICITY- COMPONENTS

BENZENE-1,3-DIMETHANEAMINE	LD50: 2000 mg/kg	SPECIES: RABBIT
AMINOETHYL PIPERAZINE	LD50: 866 mg/kg	SPECIES: RABBIT
BENZYLDMETHYLAMINE	LD50: 1660 mg/kg	SPECIES: RABBIT
DIETHYLENETRIAMINE	LD50: 669mg/kg	SPECIES: RABBIT

ACUTE INHALATION TOXICITY- COMPONENTS

BENZYLDMETHYLAMINE	LC50 (4HR): 2.06 mg/l	SPECIES: RAT
DIETHYLENETRIAMINE	LC50 (4HR): 0.07-0.3 mg/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)

CATEGORY 2

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.

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SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

AQUATIC TOXICITY: NO DATA ON THE PRODUCT ITSELF

ACUTE TOXICITY TO FISH- COMPONENTS

AMINOETHYL PIPERAZINE LC50 (96 HRS): 2190 mg/l SPECIES: FATHEAD MINNOW

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS

PHENOL EC50 (72 HRS): 4-7 mg/l SPECIES: DAPHNIA MAGNA
 AMINOETHYL PIPERAZINE EC50 (48 HRS): 58 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
 AMINOETHYL PIPERAZINE EC50 (72 HRS): >1000 mg/l SPECIES: FRESH WATER ALGAE

TOXICITY TO BACTERIA: COMPONENTS

ND

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;

BIODEGRADATION: 0%

EXPOSURE TIME: 28 DAYS

METHOD: OECD TEST GUIDELINE 301B OR EQUIVALENT

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION: ND

PARTITION COEFFICIENT: N-OCTANOL/WATER(LOG P_{ow}): ND

MOBILITY IN SOIL: ND

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: INCINERATION IS PREFERRED. 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:

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

