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: POLYURETHANE 250 PART A
COLOR: CLEAR
MAIN USE: SPECIALTY FLOORING RESIN

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)
CLASSIFICATION:
ASPIRATION HAZARD: CATEGORY 1
FLAMMABLE LIQUIDS: CATEGORY 2
ACUTE TOXICITY: CATEGORY 4 (INHALATION-MIST)
SKIN CORROSION: CATEGORY 2
EYE DAMAGE: CATEGORY 2A
RESPIRATORY SENSITIZATION: CATEGORY 1
SKIN SENSITIZATION: CATEGORY 1
CARCINOGENICITY: CATEGORY 2
ACUTE AQUATIC TOXICITY: CATEGORY 2

GHS LABEL ELEMENTS
HAZARD PICTOGRAMS

SIGNAL WORD: DANGER!

HAZARD STATEMENTS:
H226: FLAMMABLE LIQUID AND VAPOR
H319: CAUSES SERIOUS EYE IRRITATION
H315: CAUSES SKIN IRRITATION
H332: HARMFUL IF INHALED
H334: MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED
H317: MAY CAUSE AN ALLERGIC SKIN REACTION
H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAY
H335: MAY CAUSE RESPIRATORY IRRITATION
H351: SUSPECTED OF CAUSING CANCER
H373: MAY CAUSE DAMAGE TO ORGANS (AUDITORY ORGAN) THROUGH PROLONGED OR REPEATED EXPOSURE
H402: HARMFUL TO AQUATIC LIFE

PRECAUTIONARY STATEMENTS:
PREVENTION
P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION
P271: USE ONLY OUTDOORS OR IN WELL VENTILATED AREA

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

| P260: DO NOT BREATHE DUST/GAS/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 |
| P264 WASH WITH PLENTY OF WATER AND SOAP THOROUGHLY AFTER HANDLING |

**RESPONSE**

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.

P337+P313: **IF INHALED:** IF BREATHING IS DIFFICULT REMOVE TO AND MAKE COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR DOCTOR/PHYSICIAN

P301+P310: **IF SWALLOWED:** IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN

P331: **DO NOT INDUCE VOMITING**

P370+P378: **IN CASE OF FIRE:** USE DRY CHEMICAL, CARBON DIOXIDE (CO₂), 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!

HARMFUL OR FATAL IF SWALLOWED

HARMFUL IF INHALED

RESPIRATORY SENSITIZER

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION

CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: BLOOD, KIDNEYS, LIVER, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, NERVOUS SYSTEM, EYE, LENS OR CORNEA

FLAMMABLE LIQUID AND VAPOR

VAPOR MAY CAUSE FLASH FIRE

MAY BE HARMFUL IF ABSORBED THROUGH SKIN

SKIN SENSITIZER

POSSIBLE CANCER HAZARD

CONTAINS MATERIAL WHICH CAN CAUSE CANCER
SAFETY DATA SHEET

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS | Wt. % | CAS Number
---|---|---
XYLENE-MIXED ORTHO, META AND PARA ISOMERS | 15-40 | 001330-20-7
ACETONE | 7-15 | 000067-64-1
ETHYLBENZENE | 0.1-1.0 | 000100-41-4

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: -20°C (-4°F) TCC (ACETONE) CONDITIONS OF FLAMMABILITY: NA
FLAMMABLE LIMITS: (ACETONE) LEL: 2.6% UEL: 12.8%
OSHA CLASS: FLAMMABLE LIQUID. PACKING GROUP II AUTO IGNITION TEMP: 465°C (869°F)
HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, 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

EXPOSURE LIMITS (ppm)

<table>
<thead>
<tr>
<th>INGREDIENTS (CAS)</th>
<th>OSHA TWA</th>
<th>STEL</th>
<th>ACGIH TWA</th>
<th>STEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>001330-20-7</td>
<td>100</td>
<td>150</td>
<td>100</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>000067-64-1</td>
<td>750</td>
<td>NE</td>
<td>750</td>
<td>NE</td>
<td></td>
</tr>
<tr>
<td>000100-41-4</td>
<td>100</td>
<td>125</td>
<td>100</td>
<td>125</td>
<td></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: 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.

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: 56.2°C (133.2°F) (ACETONE)

SPECIFIC GRAVITY: 0.95-1.05

VAPOR PRESSURE: 180mm Hg (ACETONE)

MELTING POINT: ND

VAPOR DENSITY: 2.0

EVAPORATION RATE: >1

(AIR = 1)

(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: INSOLUBLE

pH: NA

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

APPEARANCE AND ODOR: CLEAR TO HAZY LIQUID, SWEET SOLVENT ODOR

% VOLATILES BY VOLUME: 62%

% SOLIDS BY WEIGHT: 46%
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, CO₂
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.

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. PERSONS EXPOSED TO 200 PPM OF XYLENE EXPERIENCED EYE, NOSE AND THROAT IRRITATION. CONCENTRATIONS OF 10,000 PPM OF XYLENE CAN BE IMMEDIATELY DANGEROUS TO LIFE AND HEALTH

INHALATION:
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.
SECTION 11: TOXICOLOGICAL INFORMATION CON’T.

ACUTE TOXICITY: NO DATA ON THE PRODUCT ITSELF

ACUTE ORAL TOXICITY - COMPONENTS
ACETONE: NOT CLASSIFIED FOR ACUTE TOXICITY
XYLENE: LD50: 3523 mg/kg SPECIES: RAT
ETHYL BENZENE: LD50: 3500 mg/kg SPECIES: RAT

ACUTE DERMAL TOXICITY - COMPONENTS
ACETONE: NOT CLASSIFIED FOR ACUTE TOXICITY
XYLENE: LD50: >4300 mg/kg SPECIES: RAT
ETHYL BENZENE: LD50: 17800 mg/kg SPECIES: RAT

ACUTE INHALATION TOXICITY - COMPONENTS
ACETONE: LC50: 76 mg/l
XYLENE: LC50: >6350 ppm
OECD TEST GUIDLINE 403

SKIN CORROSION/IRRITATION
SLIGHTLY IRRITATING, RABBIT, OECD TEST GUIDLINE 404

SERIOUS EYE DAMAGE/EYE IRRITATION
SEVERE IRRITANT, 20mg (rabbit)

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)
CATEGORY 3 (IRRITATING TO RESPIRATORY SYSTEM)

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)
CATEGORY 2

CARCINOGENIC DATA: THIS PRODUCT CONTAINS XYLENE, ETHYLBENZENE IN CONCENTRATIONS OF 0.1% OR GREATER. IARC HAS CLASSIFIED ETHYL BENZENE AS GROUP 2B (THE AGENT IS POSSIBLY CARCINOGENIC TO HUMANS). NTP LISTED CARCINOGEN

TERATOGENICITY: YES MUTAGENICITY: ND
EMBRYOTOXICITY: ND SYNERGISTIC MATERIAL: ND

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

AQUATIC TOXICITY: NO DATA ON THE PRODUCT ITSELF. BASED ON THE COMPONENTS THE PRODUCT IS ACUTELY HARMFUL FOR AQUATIC ORGANISMS.

ACUTE TOXICITY TO FISH - COMPONENTS
ACETONE: LC50 (2 HRS): 7081 mg/l SPECIES: FATHEAD MINNOW
XYLENE: LC50 (96 HRS): 9.6 mg/l SPECIES: BLUEGILL
ETHYL BENZENE: LC50 (96 HRS): 11 mg/l SPECIES: FATHEAD MINNOW

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS
ACETONE: EC50 (24 HRS): >100 mg/l SPECIES: DAPHNIA MAGNA
XYLENE: ND
ETHYL BENZENE: EC50 (48 HRS): 4.4 mg/l SPECIES: DAPHNIA MAGNA

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS
ACETONE: ND
XYLENE: ND
ETHYL BENZENE: ND
SECTION 12: ECOLOGICAL INFORMATION CON’T.

TOXICITY TO BACTERIA: COMPONENTS
ACETONE  ND
XYLENE  ND
ETHYL BENZENE  ND

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

PERSISTANCE AND DEGRADABILITY
BIODEGRADABILITY: NOT READILY BIODEGRADABLE (BY OECD CRITERIA)

BIOACCUMULATIVE POTENTIAL
BIOACCUMULATION: ND
PARTITION COEFFICIENT: N-OCTANOL/WATER(LOG P<sub>ow</sub>): 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: UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS ACETONE), 3, PG II
PACKING GROUP: II
HAZARD LABEL: FLAMMABLE LIQUID
HAZARD PLACARD: FLAMMABLE LIQUID
IMO SHIPPING DATA: UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS ACETONE), 3, PG II
ICAO/IATA SHIPPING DATA: UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS ACETONE), 3, PG II
PASSENGER AIR MAX QUANTITY: 5L
PASSENGER PACKING INSTRUCTION: 353
CARGO AIR- MAX QUANTITY: 60L
CARGO AIR INSTRUCTION NUMBER: 364

SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT = 453 gms/Liter  AS APPLIED (Part of a multi-component system) = 504 gms/Liter

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

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT): REPORTABLE QUANTITY, XYLENE 100 LBS.

SARA TITLE III
SECTION 312 HAZARD CLASS: IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED HEALTH HAZARD; FIRE HAZARD.

SECTION 313 LISTED INGREDIENTS: XYLENE (CAS #001330-20-7), ETHYLBENZENE (CAS #000100-41-4)

CALIFORNIA PROPOSITION 65: The below list of compounds is known to the State of California to cause cancer, birth defects or other reproductive harm: CAS #001330-20-7, CAS #000100-41-4.
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

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the accuracy of the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects, which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations and orders.