SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

MANUFACTURER'S NAME / ADDRESS
ARIZONA POLYMER FLOORING
7731 N. 68TH AVE.
GLENDALE, AZ 85303

TRADE NAME: POLYUREA 5001, PART A
COLOR: WHITE AND TINTS
MAIN USE: SPECIALTY COATING RESIN

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

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION!
RISK OF SERIOUS DAMAGE TO EYES
HARMFUL IN CONTACT WITH SKIN
HARMFUL IF SWALLOWED
CORROSIVE
COMBUSTIBLE LIQUID AND VAPOR
KEEP AWAY FROM HEAT AND SOURCES OF IGNITION
COMPONENTS OF THE PRODUCT MAY EFFECT THE NERVOUS SYSTEM
SEVERE EYE IRRITANT
SEVERE SKIN IRRITANT
MAY CAUSE SENSITIZATION BY SKIN CONTACT

PRIMARY ROUTES OF ENTRY: EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION.

HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)

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.

CONDITIONS AGGRAVATED BY EXPOSURE: ASTHMA; BRONCHITIS, EMPHYSEMA; EYE DISEASE; SKIN DISORDERS AND ALLERGIES.

OVEREXPOSURE EFFECTS: LACRIMATION OF EYES, SKIN IRRITATION, DIZZINESS.
IRRITANCY: YES
SENSITIZER: YES
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>ASPARTIC ESTER</td>
<td>40-70</td>
<td>136210-32-7</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>15-40</td>
<td>013463-67-7</td>
</tr>
<tr>
<td>ISOPHORONEDIAMINE-ISOBUTYRALDIMINE</td>
<td>10-30</td>
<td>054914-37-3</td>
</tr>
<tr>
<td>MODIFIED CARBONATE BIS-OXAZOLIDINE</td>
<td>1-5</td>
<td>145899-78-1</td>
</tr>
<tr>
<td>ALIPHATIC CARBOXYLIC ESTER</td>
<td>1-5</td>
<td>000623-91-6</td>
</tr>
<tr>
<td>IRON (III) OXIDE</td>
<td>0-10</td>
<td>001309-37-1</td>
</tr>
<tr>
<td>CARBON BLACK</td>
<td>0-10</td>
<td>001333-86-4</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

GENERAL: REMOVE AFFECTED PERSON FROM AREA. 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. VICTIMS OF MAJOR SKIN AREA CONTACT SHOULD REMAIN UNDER MEDICAL OBSERVATION FOR 24 HOURS.

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: 77°C (171°F) – PMCC

CONDITIONS OF FLAMMABILITY: NA

FLAMMABLE LIMITS: LEL: NE UEL: NE

AUTO IGNITION TEMP.: 240°C

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: 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

EXPOSURE LIMITS (ppm)

<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></td>
<td>NE</td>
<td>ND</td>
<td>NE</td>
</tr>
<tr>
<td>136210-32-7</td>
<td>10mg/m³</td>
<td>ND</td>
<td>10mg/m³</td>
</tr>
<tr>
<td>013463-67-7</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>054914-37-3</td>
<td>NE</td>
<td>ND</td>
<td>NE</td>
</tr>
<tr>
<td>145899-78-1</td>
<td>NE</td>
<td>ND</td>
<td>NE</td>
</tr>
<tr>
<td>000623-91-6</td>
<td>NE</td>
<td>ND</td>
<td>NE</td>
</tr>
<tr>
<td>001309-37-1</td>
<td>5mg/m³</td>
<td>ND</td>
<td>5mg/m³</td>
</tr>
<tr>
<td>001333-86-4</td>
<td>3.5mg/m³</td>
<td>ND</td>
<td>3.5mg/m³</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 ABRADED, GROUND, ETC.

ENGINEERING CONTROLS: NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.

RESPIRATORY PROTECTION: NONE REQUIRED IN ADEQUATELY VENTILATED AREAS. IF 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 EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT</td>
<td>302°C (572°F)</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.25-1.35</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 STRAW COLORED 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

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

ACUTE TOXICITY EFFECTS: ORAL LD_{50} (rats): >2000mg/kg. NO DATA FOR INHALATION EFFECTS.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NOT READILY BIODEGRADABLE

ECOTOXICITY: HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: 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. (BLOCKED DIAMINE)

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

IMO SHIPPING DATA:
UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (BLOCKED DIAMINE), 8, PG III

ICAO/IATA SHIPPING DATA:
UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (BLOCKED DIAMINE), 8, PG III

PASSENGER AIR MAX QUANTITY: 5L PASSENGER PACKING INSTRUCTION: 852
CARGO AIR MAX QUANTITY: 60L CARGO AIR INSTRUCTION NUMBER: 856

SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT: 21 grams/Liter AS APPLIED: 99 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: NONE ABOVE de Minimus LEVELS
SECTION 15: REGULATORY INFORMATION CON’T.

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 # 013463-67-7, CAS # 001333-86-4

SECTION 16: OTHER INFORMATION

INITIAL ISSUE DATE: MAY 6, 2013 REVISION DATE: PREPARED BY: J.W. ESSIG

HAZARD RATING
HMIS: HEALTH 3 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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