

## SAFETY DATA SHEET

FP1AWH00

Page 1 of 7

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

#### MANUFACTURER'S NAME / ADDRESS

ARIZONA POLYMER FLOORING  
7731 N. 68<sup>TH</sup> AVE.  
GLENDALE, AZ 85303

TRADE NAME: POLYURETHANE 100 PART A  
COLOR: WHITE AND TINTS  
MAIN USE: SPECIALTY FLOORING RESIN

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

### SECTION 2: HAZARDS IDENTIFICATION

#### GLOBALLY HARMONIZED SYSTEM (GHS)

##### CLASSIFICATION:

FLAMMABLE LIQUIDS: CATEGORY 3

EYE DAMAGE: CATEGORY 2B

CARCINOGENICITY: CATEGORY 2

#### GHS LABEL ELEMENTS

##### HAZARD PICTOGRAMS



SIGNAL WORD: WARNING!

#### HAZARD STATEMENTS

H226: FLAMMABLE LIQUID AND VAPOR

H320: CAUSES EYE IRRITATION

H351: SUSPECTED OF CAUSING CANCER

#### PRECAUTIONARY STATEMENTS:

##### PREVENTION

P210: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, AND HOT SURFACES. NO SMOKING

P233: KEEP CONTAINER TIGHTLY CLOSED

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

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

##### 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 EYE IRRITATION PERSISTS:** GET MEDICAL ADVICE/ATTENTION

P370+P378: **IN CASE OF FIRE:** USE DRY CHEMICAL, CARBON DIOXIDE (CO<sub>2</sub>), FOAM, OR WATER SPRAY (FOR LARGE FIRES) TO EXTINGUISH

**SAFETY DATA SHEET**

**SECTION 2: HAZARDS IDENTIFICATION CON'T.**

**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  
 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

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

<b>HAZARDOUS INGREDIENTS</b>	<b>Wt. %</b>	<b>CAS Number</b>
1-METHOXY-2-PROPANOL ACETATE	15-40	000108-65-6
ACETONE	1-5	000067-64-1
TITANIUM DIOXIDE	0-20	013463-67-7
IRON (III) OXIDE	0-10	001309-37-1
CARBON BLACK	0-10	001333-86-4

**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, CO<sub>2</sub>, 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.

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**SAFETY DATA SHEET**

**SECTION 5: FIRE FIGHTING MEASURES CON'T.**

**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**

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
000108-65-6	100	150	100	150	
000067-64-1	750	NE	750	NE	
013463-67-7	10mg/m <sup>3</sup>	ND	10mg/m <sup>3</sup>	ND	(SEE NOTE 1)
001309-37-1	5mg/m <sup>3</sup>	ND	5mg/m <sup>3</sup>	ND	(SEE NOTE 1)
001333-86-4	3.5mg/m <sup>3</sup>	ND	3.5mg/m <sup>3</sup>	ND	(SEE NOTE 1)

**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:** 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.

## SAFETY DATA SHEET

FP1AWH00

Page 4 of 7

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> 56.2°C (133.2°F) (ACETONE)	<b>SPECIFIC GRAVITY:</b> 1.35-1.45
<b>VAPOR PRESSURE:</b> 180mm Hg (ACETONE)	<b>MELTING POINT:</b> ND
<b>VAPOR DENSITY:</b> 2.0 (AIR = 1)	<b>EVAPORATION RATE:</b> >1 (BUTYL ACETATE = 1)
<b>SOLUBILITY IN WATER:</b> INSOLUBLE	<b>pH:</b> NA
<b>COEFFICIENT of WATER/OIL DISTRIBUTION:</b> ND	<b>ODOR THRESHOLD:</b> ND
<b>APPEARANCE AND ODOR:</b> PIGEMNTED LIQUID, SWEET SOLVENT ODOR	
<b>% VOLATILES BY VOLUME:</b> 54%	<b>% SOLIDS BY WEIGHT:</b> 63%

### 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, CO<sub>2</sub>

**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.

**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.

**SAFETY DATA SHEET**

FP1AWH00

Page 5 of 7

**SECTION 11: TOXICOLOGICAL INFORMATION CON'T.**

**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.

**ACUTE TOXICITY:** NO DATA ON THE PRODUCT ITSELF

**ACUTE ORAL TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LD50: 6190 mg/kg	SPECIES: RAT
ACETONE	NOT CLASSIFIED FOR ACUTE TOXICITY	

**ACUTE DERMAL TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LD50: >5000 mg/kg	SPECIES: RAT
ACETONE	NOT CLASSIFIED FOR ACUTE TOXICITY	

**ACUTE INHALATION TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LC50: >4345 ppm
ACETONE	LC50: 76 mg/l
	OECD TEST GUIDLINE 403

**SKIN CORROSION/IRRITATION**

NON-IRRITATING, RABBIT, OECD TEST GUIDLINE 404

**SERIOUS EYE DAMAGE/EYE IRRITATION**

SLIGHTLY IRRITATING, RABBIT

**SENSITIZATION**

DERMAL: NON-SENSITIZER (GUINEA PIG, MAGNUSSON/KLINGMAN (MAXIMIZATION TEST))

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)**

ND

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)**

ND

**CARCINOGENIC DATA:** NTP: NONE

OSHA: NONE

IARC: 2B

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**

1-METHOXY-2-PROPANOL ACETATE	LC50 (96 HRS): 161 mg/l	SPECIES: FATHEAD MINNOW
ACETONE	LC50 (2 HRS): 7081 mg/l	SPECIES: FATHEAD MINNOW

**ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	EC50 (48 HRS): 408 mg/l	SPECIES: DAPHNIA MAGNA
ETHYL-3-ETHOXYPROPIONATE	EC50 (48 HRS): 479.7 mg/l	SPECIES: DAPHNIA MAGNA

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**SAFETY DATA SHEET**

FP1AWH00

Page 6 of 7

**SECTION 12: ECOLOGICAL INFORMATION CON'T.**

**ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	EC50 (72 HRS): >1000 mg/l	SPECIES: GREEN ALGAE
ACETONE	EC50 (24 HRS): >100 mg/l	SPECIES: DAPHNIA MAGNA

**TOXICITY TO BACTERIA: COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	EC50: > 1000mg/l	ACTIVATED SLUDGE
ACETONE	ND	

**CHRONIC AQUATIC TOXICITY**

**CHRONIC TOXICITY TO AQUATIC INVERTEBRATES**

LONG LASTING ADVERSE EFFECTS TO AQUATIC ORGANISMS

**PERSISTANCE AND DEGRADABILITY**

**BIODEGRADABILITY:** READILY BIODEGRADABLE  
**BIODEGRADATION:** >90%  
**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<sub>ow</sub> BETWEEN 3 AND 5)  
**PARTITION COEFFECIENT:** N-OCTANOL/WATER(LOG P<sub>ow</sub>): 1.35

**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**

<b>DOT PROPER SHIPPING NAME:</b> UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS ACETONE), 3, PG II	
<b>PACKING GROUP:</b> II	<b>DOT PRODUCT RQ LBS (KGS):</b> NA
<b>HAZARD LABEL:</b> FLAMMABLE LIQUID	<b>HAZARD PLACARD:</b> FLAMMABLE LIQUID
<b>IMO SHIPPING DATA:</b> UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS ACETONE), 3, PG II	
<b>ICAO/IATA SHIPPING DATA:</b> UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS ACETONE), 3, PG II	
<b>PASSENGER AIR MAX QUANTITY:</b> 5L	<b>PASSENGER PACKING INSTRUCTION:</b> 353
<b>CARGO AIR- MAX QUANTITY:</b> 60L	<b>CARGO AIR INSTRUCTION NUMBER:</b> 364



## SAFETY DATA SHEET

FP1AWH00

Page 7 of 7

### SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT = 530 gms/Liter AS APPLIED (Part of a multi-component system) = 350 gms/Liter

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

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT): NA

#### SARA TITLE III

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

SECTION 313 LISTED INGREDIENTS: NONE ABOVE de Minimus LEVELS

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: JULY 21,2015

REVISION DATE:

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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SPECIALIZED FLOOR COATINGS & DECORATIVE CONCRETE SYSTEMS

## SAFETY DATA SHEET

FP100BP00

Page 1 of 8

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

#### MANUFACTURER'S NAME / ADDRESS

ARIZONA POLYMER FLOORING  
7731 N. 68<sup>TH</sup> AVE.  
GLENDALE, AZ 85303

TRADE NAME: POLYURETHANE 100 PART B PIGMENTED  
COLOR: CLEAR  
MAIN USE: SPECIALTY FLOORING CURATIVE

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 3

#### 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

SPECIALIZED FLOOR COATINGS & DECORATIVE CONCRETE SYSTEMS



## SAFETY DATA SHEET

FP100BP00

Page 2 of 8

### 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 EYE IRRITATION PERSISTS:** GET MEDICAL ADVICE/ATTENTION  
P304+P341+P311: **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 (CO<sub>2</sub>), 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

FP100BP00

Page 3 of 8

<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE	60-100	028182-81-2
XYLENE-MIXED ORTHO, META AND PARA ISOMERS	7-15	001330-20-7
1-METHOXY-2-PROPANOL ACETATE	7-15	000108-65-6
ETHYLBENZENE	1-5	000100-41-4

<b>SECTION 4: FIRST AID MEASURES</b>
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**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.

**NOTES TO PHYSICIAN:**

**EYES:** STAIN FOR EVIDENCE OF CORNEAL INJURY. IF CORNEA IS BURNED, INSTILL ANTIBIOTIC/STEROID PREPARATION AS NEEDED. WORKPLACE VAPORS COULD PRODUCE REVERSIBLE CORNEAL EPITHELIAL EDEMA IMPAIRING VISION.

**SKIN:** THIS COMPOUND IS A SKIN SENSITIZER. TREAT SYMPTOMATICALLY AS FOR CONTACT DERMATITIS OR THERMAL BURN.

**INGESTION:** TREAT SYMPTOMATICALLY. THERE IS NO SPECIFIC ANTIDOTE. INDUCING VOMITING IS CONTRAINDICATED BECAUSE OF THE IRRITATING NATURE OF THE COMPOUND.

**INHALATION:** TREATMENT IS ESSENTIALLY SYMPTOMATIC. AN INDIVIDUAL HAVING A DERMAL OR PULMONARY SENSITIZATION REACTION TO THIS MATERIAL SHOULD BE REMOVED FROM FURTHER EXPOSURE TO ANY ISOCYANATE.

<b>SECTION 5: FIRE FIGHTING MEASURES</b>
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**FLASH POINT:** 26.1 °C (79 °F) TCC (XYLENE)

**CONDITIONS OF FLAMMABILITY:** NA

**FLAMMABLE LIMITS:** LEL: 1.1%

UEL: 6.6%

**AUTO IGNITION TEMP.:** ND

**OSHA CLASS:** FLAMMABLE LIQUID, PACKING GROUP III

**HAZARDOUS COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, 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.

**SAFETY DATA SHEET**

FP100BP00

Page 4 of 8

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** EVACUATE NON-ESSENTIAL PERSONNEL. SHUT OFF SOURCES OF IGNITION. PUT ON PERSONAL PROTECTIVE EQUIPMENT. CONTROL SOURCE OF LEAK. VENTILATE. CONTAIN THE SPILL TO PREVENT SPREAD TO DRAINS, SEWERS, WATER SUPPLIES, OR SOIL. POUR DECONTAMINATION SOLUTION OVER SPILL AND ALLOW TO REACT FOR AT LEAST 15 MINUTES. COLLECT MATERIAL IN OPEN CONTAINERS WITH FURTHER AMOUNTS OF DECONTAMINATION SOLUTION. WASH DOWN SPILL AREA WITH DECONTAMINATION SOLUTION.

**DECONTAMINATION SOLUTIONS:** COLORIMETRIC LABORATORIES INC. (CLI) DECONTAMINATION SOLUTION OR 20% NON-IONIC SURFACTANT (TERGITOL TMN-10) WITH 80% WATER.

**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**

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
028182-81-2	NE	NE	NE	NE	
001330-20-7	100	150	100	150	
000108-65-6	100	150	100	150	
000100-41-4	100	125	100	125	

**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:** 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:** A RESPIRATOR THAT IS RECOMMENDED FOR USE IN ISOCYANATE CONTAINING ENVIRONMENTS (AIR PURIFYING OR FRESH AIR SUPPLIED) MAY BE NECESSARY FOR SPRAY APPLICATIONS OR OTHER SITUATIONS SUCH AS HIGH TEMPERATURE USE WHICH MAY PRODUCE INHALATION EXPOSURES. A SUPPLIED AIR RESPIRATOR (EITHER POSITIVE PRESSURE TYPE OR CONTINUOUS FLOW TYPE) IS RECOMMENDED. BEFORE AN AIR PURIFYING RESPIRATOR CAN BE USED, AIR MONITORING MUST BE PERFORMED TO DETERMINE THE AIRBORNE CONCENTRATIONS OF HDI MONOMER, HDI POLYISOCYANATE AND ORGANIC SOLVENTS.

**OTHER PROTECTIVE EQUIPMENT:** LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.



**SAFETY DATA SHEET**

**SECTION 11: TOXICOLOGICAL INFORMATION**

**INHALATION:**

**ACUTE** –HDI AEROSOLS OR VAPORS AT CONCENTRATIONS ABOVE THE APPLICABLE EXPOSURE LIMITS CAN IRRITATE THE MUCOUS MEMBRANES IN THE RESPIRATORY TRACT CAUSING RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH AND REDUCED LUNG FUNCTION. PERSONS WITH PRE-EXISTING NONSPECIFIC BRONCHIAL HYPER REACTIVITY CAN RESPOND TO CONCENTRATIONS BELOW THE EXPOSURE LIMITS WITH SIMILAR SYMPTOMS AS WELL AS AN ASTHMA ATTACK. EXPOSURE WELL ABOVE THE EXPOSURE LIMITS MAY LEAD TO BRONCHITIS, BRONCHIAL SPASM AND PULMONARY EDEMA. CHEMICAL OR HYPERSENSITIVE PNEUMONITIS HAS ALSO BEEN REPORTED. 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.

**CHRONIC** – AS A RESULT OF PREVIOUS REPEATED OVEREXPOSURES OR A SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANTE SENSITIZATION (CHEMICAL ASTHMA) WHICH WILL CAUSE THEM TO REACT TO A LATER EXPOSURE TO ISOCYANATES AT LEVELS WELL BELOW APPLICABLE EXPOSURE LIMITS. THESE SYMPTOMS, WHICH INCLUDE CHEST TIGHTNESS, WHEEZING, COUGH, SHORTNESS OF BREATH OR ASTHMATIC ATTACK, COULD BE IMMEDIATE OR DELAYED UP TO SEVERAL HOURS AFTER EXPOSURE. SIMILAR TO MANY NON-SPECIFIC ASTHMATIC RESPONSES, THERE ARE REPORTS THAT ONCE SENSITIZED AN INDIVIDUAL CAN EXPERIENCE THESE SYMPTOMS UPON EXPOSURE TO DUST, COLD AIR OR OTHER IRRITANTS. THIS INCREASED LUNG SENSITIVITY CAN PERSIST FOR WEEKS AND IN SEVERE CASES FOR SEVERAL YEARS. CHRONIC OVEREXPOSURE TO ISOCYANTES HAS ALSO BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING DECREASE IN LUNG FUNCTION, WHICH MAY BE PERMANENT. SENSITIZATION MAY BE EITHER TEMPORARY OR PERMANENT. 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 AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE AND 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:** ASTHMA AND OTHER RESPIRATORY DISORDERS, SKIN ALLERGIES, ECZEMA

**ACUTE TOXICITY:** NO DATA ON THE PRODUCT ITSELF

**ACUTE ORAL TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LD50: 6190 mg/kg	SPECIES: RAT
XYLENE	LD50: 3523 mg/kg	SPECIES: RAT
ETHYL BENZENE	LD50: 3500 mg/kg	SPECIES: RAT

**ACUTE DERMAL TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LD50: >5000 mg/kg	SPECIES: RAT
XYLENE	LD50: >4300 mg/kg	SPECIES: RAT
ETHYL BENZENE	LD50: 17800 mg/kg	SPECIES: RAT

**ACUTE INHALATION TOXICITY- COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	LC50: >4345 ppm
XYLENE	LC50: >6350 ppm

SPECIALIZED FLOOR COATINGS & DECORATIVE CONCRETE SYSTEMS

**SAFETY DATA SHEET**

FP100BP00

Page 7 of 8

**SECTION 11: TOXICOLOGICAL INFORMATION CON'T.**

**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  
EMBRYOTOXICITY: ND

MUTAGENICITY: 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**

1-METHOXY-2-PROPANOL ACETATE	LC50 (96 HRS): 161 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**

1-METHOXY-2-PROPANOL ACETATE	EC50 (48 HRS): 408 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**

1-METHOXY-2-PROPANOL ACETATE	EC50 (72 HRS): >1000 mg/l	SPECIES: GREEN ALGAE
XYLENE	ND	
ETHYL BENZENE	ND	

**TOXICITY TO BACTERIA: COMPONENTS**

1-METHOXY-2-PROPANOL ACETATE	EC50: > 1000mg/l	ACTIVATED SLUDGE
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 COEFFECIENT:** N-OCTANOL/WATER(LOG P<sub>ow</sub>): ND

**MOBILITY IN SOIL**

ND

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**SAFETY DATA SHEET**

FP100BP00

Page 8 of 8

**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:** UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS XYLENE), 3, PG III  
**PACKAGING GROUP:** III **DOT PRODUCT RQ LBS (KGS):** 800 LBS. (362.9 KGS)  
**HAZARD LABEL:** FLAMMABLE LIQUID **HAZARD PLACARD:** FLAMMABLE LIQUID  
**IMO SHIPPING DATA:** UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS XYLENE), 3, PG III  
**ICAO/IATA SHIPPING DATA:** UN1866, RESIN SOLUTION, FLAMMABLE, (CONTAINS XYLENE), 3, PG III  
**PASSENGER AIR MAX QUANTITY:** 60L **PASSENGER PACKING INSTRUCTION:** 309  
**CARGO AIR- MAX QUANTITY:** 220L **CARGO AIR INSTRUCTION NUMBER:** 310

**SECTION 15: REGULATORY INFORMATION**

**VOC:** COMPONENT = 267 gms/Liter **AS APPLIED** (Part of a multi-component system) = 340 gms/Liter  
**TSCA (TOXIC SUBSTANCE CONTROL ACT):** ALL COMPONENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.  
**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT):** RQ: 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# 1330-20-7), ETHYLBENZENE (CAS# 100-41-4)  
**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# 1330-20-7, CAS# 100-41-4.

**SECTION 16: OTHER INFORMATION**

**INITIAL ISSUE DATE:** MAY 27, 2015 **REVISION DATE:** **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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