

SAFETY DATA SHEET

FCASCRB00

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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: CASTORCRETE® TOPCOAT PART B
CHEMICAL FAMILY: AROMATIC ISOCYANATE
MAIN USE: SPECIALTY FLOORING CURATIVE

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION:

SKIN CORROSION: CATEGORY 2

EYE DAMAGE: CATEGORY 2B

ACUTE TOXICITY: CATEGORY 4 (INHALATION-MIST)

RESPIRATORY SENSITIZATION: CATEGORY 1

SKIN SENSITIZATION: CATEGORY 1B

CARCINOGEN: CATEGORY 2

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

HAZARD STATEMENTS:

H320: CAUSES EYE IRRITATION

H315: CAUSES SKIN IRRITATION

H332: HARMFUL IF INHALED

H317: MAY CAUSE AN ALLERGIC SKIN REACTION

H334: MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED

H335: MAY CAUSE RESPIRATORY IRRITATION

H351: SUSPECTED OF CAUSING CANCER

H373: MAY CAUSE DAMAGE TO ORGANS (OLFACTORY ORGANS) THROUGH PROLONGED OR REPEATED EXPOSURE (INHALATION)

PRECAUTIONARY STATEMENTS:

PREVENTION

P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

P202: DO NOT HANDLE UNTIL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

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

P271: USE ONLY OUTDOORS OR IN WELL VENTILATED AREA

P284: (IN CASE OF INADEQUATE VENTILATION) WEAR RESPIRATORY PROTECTION

P261: AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

P272: CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE

P264: WASH SKIN THOROUGHLY AFTER HANDLING

HIGH PERFORMANCE CONCRETE COATING SYSTEM

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SECTION 2: HAZARDS IDENTIFICATION CON'T.

PRECAUTIONARY STATEMENTS:

RESPONSE

P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.
 P303+P352: **IF ON SKIN (OR HAIR):** WASH WITH PLENTY OF SOAP AND WATER
 P333+P311: IF SKIN IRRITATION OR RASH OCCURS: CALL A POISON CENTER OR DOCTOR/PHYSICIAN
 P304+P340: **IF INHALED:** REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING
 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
 P362+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

STORAGE

P403+P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL
 P233: KEEP CONTAINER TIGHTLY CLOSED
 P405: STORE LOCKED UP

DISPOSAL

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

OTHER HAZARDS

NO DATA AVAILABLE

EMERGENCY OVERVIEW:

DANGER!
 CONTAINS DIPHENYLMETHANE DIISOCYANATE
 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
 MAY BE HARMFUL IF ABSORBED THROUGH SKIN
 SKIN SENSITIZER

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
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HAZARDOUS INGREDIENTS	Wt. %	CAS Number
4-4' -DIPHENYLMETHANE DIISOCYANATE	25-50	000101-68-8
POLYMERIC DIPHENYLMETHANE DIISOCYANATE	25-50	009016-87-9
MDI MIXED ISOMERS	15-20	026447-40-5
ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH ALPHA.-HYDRO.-.OMEGA.-HYDROXYPOLY(OXY-1,2- ETHANEDIYL)	1-3	057636-09-6
1,3 DIAZETIDENE-2,4-DIONE, 1,3-BIS[4-[(4-ISOCYANATOPHENYL) METHYL]PHENYL]-	0.3-1.0	017589-24-1

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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.

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.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 225.5°C (438°F)

CONDITIONS OF FLAMMABILITY: NA

FLAMMABLE LIMITS: **LEL:** ND

UEL: ND

AUTO IGNITION TEMP.: ND

OSHA CLASS: 9

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, OXIDES OF NITROGEN, HCN, MDI

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.

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.

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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: KEEP AWAY FROM OXIDIZERS AND BASES. STORE AND HANDLE IN WELL VENTILATED, DRY AREAS THAT DO NOT EXCEED 50°C (122°F). OPTIMUM TEMPERATURE IS BETWEEN 10-27°C (50-81°F). STORE IN CLOSED CONTAINERS. FORMATION OF CO₂ AND BUILD UP OF PRESSURE POSSIBLE.

STORAGE: AVOID TEMPERATURE EXTREMES. STORE AWAY FROM EXCESSIVE HEAT AND FROM REACTIVE MATERIALS. STORE OUT OF DIRECT SUNLIGHT IN A COOL PLACE. KEEP CONTAINERS TIGHTLY CLOSED.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS (ppm)

INGREDIENTS (CAS)	OSHA		ACGIH		OTHER
	TWA	STEL	TWA	STEL	
000101-68-8	0.02	NE	0.005	NE	
009016-87-9	0.02	NE	0.005	NE	
026447-40-5	NE	NE	NE	NE	
057636-09-6	NE	NE	NE	NE	
017589-24-1	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: EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATION BELOW RECOMMENDED PEL. 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 MDI MONOMER AND MDI POLYISOCYANATE.

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: 208° C (406°F)

SPECIFIC GRAVITY: 1.20-1.30

VAPOR PRESSURE: < 10⁻⁵ mm HG @ 20°C

MELTING POINT: ND

VAPOR DENSITY: >1
(AIR = 1)

EVAPORATION RATE: <1
(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: INSOLUBLE, REACTS SLOWLY WITH WATER TO LIBERATE CO₂ GAS

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

APPEARANCE AND ODOR: DARK BROWN LIQUID, MUSTY ODOR

% VOLATILES BY VOLUME: 0%

% SOLIDS BY WEIGHT: 100%

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE; HOWEVER MAY FORM PEROXIDES OF UNKNOWN STABILITY

CONDITIONS TO AVOID: NOT APPLICABLE (MATERIAL IS STABLE).

INCOMPATIBILITY (MATERIALS TO AVOID)- WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS AND SURFACE ACTIVE MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS: BY HIGH HEAT AND FIRE; CO, CO₂, OXIDES OF NITROGEN, HCN, HDI.

HAZARDOUS POLYMERIZATION (REACTIVITY): MAY OCCUR. CONTACT WITH MOISTURE OR OTHER MATERIALS THAT REACT WITH ISOCYANATES OR TEMPERATURES OVER 400F (204C) MAY CAUSE POLYMERIZATION.

SECTION 11: TOXICOLOGICAL INFORMATION

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

HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)

EYES:

ACUTE –VAPORS ARE 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 – MAY RESULT IN CORNEAL OPACITY. PROLONGED VAPOR CONTACT MAY CAUSE CONJUNCTIVITIS.

SKIN CONTACT:

ACUTE – ISOCYANATES REACT WITH SKIN PROTEIN AND MOISTURE AND CAN CAUSE IRRITATION. SYMPTOMS OF SKIN IRRITATION MAY BE REDDENING, SWELLING, RASH, SCALING OR BLISTERING. SOME PERSONS MAY DEVELOP SKIN SENSITIZATION FROM SKIN CONTACT. CURED MATERIAL IS DIFFICULT TO REMOVE. REPEATED OR PROLONGED SKIN CONTACT WITH SOLVENTS 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 – PROLONGED CONTACT WITH ISOCYANATES CAN CAUSE REDDENING, SWELLING, RASH, SCALING OR BLISTERING. IN THOSE WHO HAVE DEVELOPED A SKIN SENSITIZATION, THESE SYMPTOMS CAN DEVELOP AS A RESULT OF CONTACT WITH VERY SMALL AMOUNTS OF LIQUID OR EVEN AS A RESULT OF VAPOR-ONLY EXPOSURE. SOLVENTS CAN PENETRATE THE SKIN AND MAY CAUSE SYSTEMIC EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER CHRONIC INHALATION EFFECTS.

SKIN ABSORPTION:

ACUTE—ND

CHRONIC-- ND

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SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

INHALATION:

ACUTE –MDI 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. **CHRONIC** – AS A RESULT OF PREVIOUS REPEATED OVEREXPOSURES OR A SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL DEVELOP ISOCYANATE 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 ISOCYANATES 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

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.

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

4-4' –DIPHENYLMETHANE DIISOCYANATE LD50: >2000mg/kg SPECIES: RAT

ACUTE DERMAL TOXICITY- COMPONENTS

4-4' –DIPHENYLMETHANE DIISOCYANATE LD50: >9400 mg/kg SPECIES: RABBIT

ACUTE INHALATION TOXICITY- COMPONENTS

4-4' –DIPHENYLMETHANE DIISOCYANATE LC50(4 HR): 2.0 mg/l SPECIES: RAT
OECD TEST GUIDELINE 403

SKIN CORROSION/IRRITATION

SLIGHTLY IRRITATING, RABBIT

SERIOUS EYE DAMAGE/EYE IRRITATION

IRRITATING, RABBIT

SENSITIZATION

PULMONARY AND DERMAL SENSITIZER IN ANIMALS AND HUMANS. EVIDENCE EXISTS THAT CROSS SENSITIZATION BETWEEN MDI AND OTHER ISOCYANATES, HDI AND TDI, CAN OCCUR.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

CATEGORY 3 (IRRITATING TO RESPIRATORY SYSTEM)

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)

CATEGORY 2 (BY INHALATION)

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SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

GERM CELL MUTAGENICITY:

ASSESSMENT OF MUTAGENICITY: THE SUBSTANCE WAS MUTAGENIC IN VARIOUS BACTERIAL TEST SYSTEMS, HOWEVER THESE RESULTS COULD NOT BE CONFIRMED IN TESTS WITH MAMMALS.

CARCINOGENIC DATA:

ASSESSMENT OF CARCINOGENICITY: A CARCINOGENIC POTENTIAL CANNOT BE EXCLUDED AFTER PROLONGED EXPOSURE TO SEVERELY IRRITATING CONCENTRATIONS. THESE EFFECTS ARE NOT RELEVANT TO HUMANS AT OCCUPATIONAL LEVELS OF EXPOSURE

REPRODUCTIVE TOXICITY:

ASSESSMENT OF REPRODUCTIVE TOXICITY :REPEATED INHALATIVE UPTAKE OF THE SUBSTANCE DID NOT CAUSE DAMAGE TO THE REPRODUCTIVE ORGANS.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

AQUATIC TOXICITY: THERE IS A HIGH PROBABILITY THAT THE PRODUCT IS NOT HARMFUL TO AQUATIC ORGANISMS

ACUTE TOXICITY TO FISH- COMPONENTS

4-4' -DIPHENYLMETHANE DIISOCYANATE LC50 (96 HRS): >1000 mg/l SPECIES: FATHEAD MINNOW

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS

4-4' -DIPHENYLMETHANE DIISOCYANATE EC50 (24 HRS): >1000 mg/l SPECIES: DAPHNIA MAGNA

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS

4-4' -DIPHENYLMETHANE DIISOCYANATE EC50 (72 HRS): 1640 mg/l SPECIES: GREEN ALGAE

TOXICITY TO BACTERIA: COMPONENTS

4-4' -DIPHENYLMETHANE DIISOCYANATE EC20 (3 HR): > 100 mg/l ACTIVATED SLUDGE

CHRONIC AQUATIC TOXICITY

CHRONIC TOXICITY TO AQUATIC INVERTEBRATES: BASED ON LONG TERM STUDY DATA THE PRODUCT IS VERY LIKELY NOT HARMFUL TO AQUATIC ORGANISMS

PERSISTANCE AND DEGRADABILITY

BIODEGRADABILITY: POORLY BIODEGRADABLE. THE PRODUCT IS UNSTABLE IN WATER

BIODEGRADATION: 0%

EXPOSURE TIME: 28 DAYS

METHOD: OECD TEST GUIDELINE 302C OR EQUIVALENT

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION: SIGNIFICANT ACCUMULATION IN ORGANISMS IS NOT TO BE EXPECTED

MOBILITY IN SOIL: ADSORPTION TO SOLIDS SOIL PHASE IS NOT EXPECTED

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.

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SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: RESIN COMPOUND, NOT REGULATED **HAZARD CLASS:** NA
UN NUMBER: NA **PACKAGING GROUP:** NA
DOT PRODUCT RQ LBS (KGS): NA **HAZARD LABEL:** NA
HAZARD PLACARD NA
IMO SHIPPING DATA: RESIN COMPOUND, NOT REGULATED
ICAO/IATA SHIPPING DATA: RESIN COMPOUND, NOT REGULATED

SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT = 0 gms/Liter **AS APPLIED** (Part of a multi-component system) = 0 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- 5000 LBS. CAS# 101-68-8, CAS # 9016-87-9
SARA TITLE III
SECTION 312 HAZARD CLASS: IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED HEALTH HAZARD;
SECTION 313 LISTED INGREDIENTS: CAS# 000101-68-8 4-4' -DIPHENYLMETHANE DIISOCYANATE, CAS #009016-87-9 POLYMERIC DIPHENYLMETHANE DIISOCYANATE
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.

SECTION 16: OTHER INFORMATION

INITIAL ISSUE DATE: JUNE 24, 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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