

SAFETY DATA SHEET

FCASCRA__

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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® PART A
CHEMICAL FAMILY: POLYURETHANE EMULSION
MAIN USE: SPECIALTY FLOOR COATING RESIN

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION:

REPRODUCTIVE TOXICITY: CATEGORY 1B

ACUTE AQUATIC TOXICITY: CATEGORY 1

CHRONIC AQUATIC TOXICITY: CATERGORY 1

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

HAZARD STATEMENTS:

H360: MAY DAMAGE FERTILITY OR THE UNBORN CHILD

H410: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

PRECAUTIONARY STATEMENTS:

PREVENTION

P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

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

P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED

P273: AVOID RELEASE TO THE ENVIRONMENT

P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE

RESPONSE

P264: WASH THOROUGHLY AFTER USE

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

HIGH PERFORMANCE CONCRETE COATING SYSTEM

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENTS | Wt. % | CAS Number |
|------------------------|-------|-------------|
| #1 CASTOR OIL | 30-60 | 008001-79-4 |
| BUTYL BENZYL PHTHALATE | 15-30 | 000085-68-7 |
| PINE OIL | 5-10 | 008002-09-3 |
| ETHOXYLATED CASTOR OIL | 1-5 | 061791-12-6 |

SECTION 4: FIRST AID MEASURES

GENERAL: REMOVE AFFECTED PERSON FROM AREA. TREAT SYMPTOMATICALLY.

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. IF BREATHING REMAINS OR BECOMES LABORED, SEEK MEDICAL ATTENTION.

INGESTION: GIVE 3 – 4 GLASSES OF MILK OR WATER. **DO NOT INDUCE VOMITING.** SEEK MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: NA

OSHA CLASS: NONE SHOWN

CONDITIONS OF FLAMMABILITY: NA

AUTO IGNITION TEMP.: NA

FLAMMABLE LIMITS: LEL: NE UEL: NE

SENSITIVITY TO IMPACT: NONE

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂,

SENSITIVITY TO STATIC DISCHARGE: NONE

EXTINGUISHING MEDIA: WATER, CO₂, DRY CHEMICAL

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: NONE

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

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.

STORAGE: STORE BETWEEN 40°F AND 100°F PROTECTED FROM FROST AND DIRECT SUNLIGHT.

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.

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

| INGREDIENTS (CAS) | <u>EXPOSURE LIMITS (ppm)</u> | | | | OTHER |
|-------------------|------------------------------|------|-------|------|-------|
| | OSHA | | ACGIH | | |
| | TWA | STEL | TWA | STEL | |
| 008001-79-4 | NE | NE | NE | NE | |
| 000085-68-7 | NE | NE | NE | NE | |
| 008002-09-3 | NE | NE | NE | NE | |
| 061791-12-6 | 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 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

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

| | |
|---|--|
| BOILING POINT: >100°C (>212° F) | SPECIFIC GRAVITY: 1.0-1.1 |
| VAPOR PRESSURE: ND | MELTING POINT: ND |
| VAPOR DENSITY: >1 (AIR = 1) | EVAPORATION RATE: <1 (BUTYL ACETATE = 1) |
| SOLUBILITY IN WATER: DILUTABLE | pH: 8.0 TO 11.5 |
| COEFFICIENT of WATER/OIL DISTRIBUTION: ND | ODOR THRESHOLD: ND |
| APPEARANCE AND ODOR: MILKY WHITE LIQUID, MILD ODOR | |
| % VOLATILES BY VOLUME: 32% | % SOLIDS BY WEIGHT: 69% |

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: AVOID ELEVATED TEMPERATURES

INCOMPATIBILITY (MATERIAL TO AVOID): NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR

CONDITIONS TO AVOID: KEEP FROM FREEZING

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SECTION 11: TOXICOLOGICAL INFORMATION

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

HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)

CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN.

ACUTE TOXICITY: NO DATA ON THE PRODUCT ITSELF

ACUTE ORAL TOXICITY- COMPONENTS

| | | |
|------------------------|-------------------|--------------|
| BUTYL BENZYL PHTHALATE | LD50: 2330 mg/kg | SPECIES: RAT |
| PINE OIL | LD50: 3200 mg/kg | SPECIES: RAT |
| ETHOXYLATED CASTOR OIL | LD50: >5000 mg/kg | SPECIES: RAT |

ACUTE DERMAL TOXICITY- COMPONENTS

| | | |
|------------------------|---------------------|-----------------|
| BUTYL BENZYL PHTHALATE | LD50: > 10000 mg/kg | SPECIES: RABBIT |
|------------------------|---------------------|-----------------|

ACUTE INHALATION TOXICITY- COMPONENTS

ND

SKIN CORROSION/IRRITATION

RABBIT, NON-IRRITANT

SERIOUS EYE DAMAGE/EYE IRRITATION

RABBIT, SLIGHT IRRITATION

SENSITIZATION

GUINEA PIG: DOE NOT CAUSE SENSITIZATION

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

NA

REPRODUCTIVE TOXICITY:

SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. AVOID EXPOSURE TO WOMAN DURING EARLY PREGNANCY.

CARCINOGENIC DATA: NTP: NONE

OSHA: NONE

IARC: GROUP 3

TERATOGENICITY: NO

MUTAGENICITY: NO

EMBRYOTOXICITY: NO

SYNERGISTIC MATERIAL: NO

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

| | | |
|------------------------|-------------------------|-------------------------|
| BUTYL BENZYL PHTHALATE | LC50 (96 HRS): 2.1 mg/l | SPECIES: FATHEAD MINNOW |
|------------------------|-------------------------|-------------------------|

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS

| | | |
|------------------------|-------------------------|------------------------|
| BUTYL BENZYL PHTHALATE | EC50 (48 HRS): 1.8 mg/l | SPECIES: DAPHNIA MAGNA |
|------------------------|-------------------------|------------------------|

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS

| | | |
|------------------------|--------------------------|----------------------|
| BUTYL BENZYL PHTHALATE | EC50 (72 HRS): 0.31 mg/l | SPECIES: GREEN ALGAE |
|------------------------|--------------------------|----------------------|

TOXICITY TO BACTERIA: COMPONENTS

ND

CHRONIC AQUATIC TOXICITY

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

SECTION 12: ECOLOGICAL INFORMATION CON'T.

PERSISTANCE AND DEGRADABILITY

BIODEGRADABILITY: NOT READILY BIODEGRADABLE (BY OECD CRITERIA)

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION: ND

PARTITION COEFFECIENT: 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: 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: NOT REGULATED

ICAO/IATA SHIPPING DATA: NOT REGULATED

ADDITIONAL INFORMATION: NONE

SECTION 15: REGULATORY INFORMATION

VOC: 0 grams/Liter

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: SLIGHT HEALTH 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 # 85-68-7 BUTYL BENZYL PHTHALATE.

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| SECTION 16: OTHER INFORMATION |
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PREPARED BY: J.W. ESSIG

HAZARD RATING

HMIS: **HEALTH 1** **FLAMMABILITY 0** **REACTIVITY 0**

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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