

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: SK-1710 LIQUID RELEASE
COLOR: CLEAR
MAIN USE: CONCRETE STAMPING RELEASE

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION:

FLAMMABLE LIQUIDS: CATEGORY 3

STOT-SE: CATEGORY 3 (CENTRAL NERVOUS SYSTEM)

EYE IRRITATION: CATEGORY 2A

ASPIRATION HAZARD: CATEGORY 1

SKIN IRRITATION: CATEGORY 2

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

HAZARD STATEMENTS:

H226: FLAMMABLE LIQUID AND VAPOR

H332: HARMFUL IF INHALED

H319: CAUSES SERIOUS EYE IRRITATION

H315: CAUSES SKIN IRRITATION

H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAY

H336: MAY CAUSE DROWSINESS OR DIZZINESS

PRECAUTIONARY STATEMENTS:

PREVENTION

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

P271: USE ONLY OUTDOORS OR IN WELL VENTILATED AREA

P261: AVOID BREATHING 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

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SECTION 2: HAZARDS IDENTIFICATION CON'T.

RESPONSE

P301+P310: **IF SWALLOWED:** IMMEDIATELY CALL A **POISON CENTER** OR DOCTOR/PHYSICIAN.
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 + P310: **IF INHALED:** REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. IMMEDIATELY CALL A **POISON CENTER** OR DOCTOR/PHYSICIAN
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.
P333+P313: IF SKIN IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION
P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION
P362+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.
P370+P378: IN CASE OF FIRE: USE DRY SAND, DRY CHEMICAL OR ALCOHOL RESISTANT FOAM FOR EXTINCTION

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:

WARNING!
COMBUSTIBLE LIQUID AND VAPOR
MAY BE HARMFUL OR FATAL IF SWALLOWED
MAY BE HARMFUL IF INHALED
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION
MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS,
HEADACHE OR NAUSEA
PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE
IRRITATION AND BURNS

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
NAPHTHA (PETROLEUM), HEAVY ALKYLATE	60-100	064741-65-7

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.

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SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 51C (124°F) TCC

CONDITIONS OF FLAMMABILITY: NA

FLAMMABLE LIMITS: LEL: 0.7%

UEL: 5.0%

AUTO IGNITION TEMP.: 232C (450°F)

OSHA CLASS: COMBUSTIBLE LIQUID CLASS II

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

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
064741-65-7	500	NE	500	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.

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION CON'T.

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: >140°C (284°F)

SPECIFIC GRAVITY: 0.70-0.80

VAPOR PRESSURE: 0.52mmHg @ 20°C (68°F)

MELTING POINT: ND

VAPOR DENSITY: 4.9
(AIR = 1)

EVAPORATION RATE: 0.11
(BUTYL ACETATE = 1)

SOLUBILITY IN WATER: INSOLUBLE

pH: NA

COEFFICIENT of WATER/OIL DISTRIBUTION: ND

ODOR THRESHOLD: ND

APPEARANCE AND ODOR: CLEAR LIQUID, BUBBLE GUM ODOR

% VOLATILES BY VOLUME: 100%

% SOLIDS BY WEIGHT: 0%

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.

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SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

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.

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

64741-65-7 LD50: >2000 mg/kg SPECIES: RAT

ACUTE DERMAL TOXICITY- COMPONENTS

64741-65-7 LD50: >2000 mg/kg SPECIES: RAT

ACUTE INHALATION TOXICITY- COMPONENTS OECD TEST GUIDELINE 403

ND

SKIN CORROSION/IRRITATION

IRRITATING (RABBIT)

SERIOUS EYE DAMAGE/EYE IRRITATION

IRRITATING (RABBIT)

SENSITIZATION

NON-SENSITIZER (GUINEA PIG)

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

CATEGORY 3 (CENTRAL NERVOUS SYSTEM)

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)

ND

CARCINOGENIC DATA: NTP: NONE

TERATOGENICITY: NO

EMBRYOTOXICITY: NO

OSHA: NONE

IARC: NONE

MUTAGENICITY: NO

SYNERGISTIC MATERIAL: NO

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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

64741-65-7 LL50 (96 HRS): 10 mg/l SPECIES: RAINBOW TROUT

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS

64741-65-7 EL50 (48 HRS): 4.5 mg/l SPECIES: DAPHNIA MAGNA

ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS

64741-65-7 EL50 (72 HRS): 3.1 mg/l SPECIES: GREEN ALGAE

TOXICITY TO BACTERIA: COMPONENTS

ND

CHRONIC AQUATIC TOXICITY

CHRONIC TOXICITY TO AQUATIC INVERTEBRATES

LONG LASTING ADVERSE EFFECTS TO AQUATIC ORGANISMS

PERSISTANCE AND DEGRADABILITY

BIODEGARADABILITY: AEROBIC, READILY BIODEGRADABLE

CONCENTRATION: 49.2 mg/l

EXPOSURE TIME: 28 DAYS

METHOD: OECD TEST GUIDLINE 301F

BIOACCUMULATIVE POTENTIAL

PARTITION COEFFECIENT: N-OCTANOL/WATER(LOG POW): 3.3-5.3

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: UN 1268, PETROLEUM DISTILLATES, N.O.S., CBL, III

SPECIAL NOTE: NON-BULK CONTAINERS (<450L OR <119 GAL. CAPACITY) OF THIS MATERIAL MAY BE SHIPPED AS NON-REGULATED WHEN TRANSPORTED SOLELY BY LAND (49 CFR 173.150)

IMDG SHIPPING DATA: UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, MARINE POLLUTANT (NAPHTHA,(PETROLEUM), HEAVY ALKYLATE)

ICAO/IATA SHIPPING DATA: UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, FLASH POINT 51°C, (124°F)

PASSENGER AIR MAX QUANTITY: 60L

PASSENGER PACKING INSTRUCTION: 355

CARGO AIR- MAX QUANTITY: 220L

CARGO AIR INSTRUCTION NUMBER: 366

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SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT = 758 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, FIRE HAZARD.

SECTION 313 LISTED INGREDIENTS: NONE

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: AUGUST 27, 2015

REVISION DATE:

PREPARED BY: J.W. ESSIG

HAZARD RATING

HMIS: HEALTH 2 FLAMMABILITY 2 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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