

SAFETY DATA SHEET

FP250PP__00

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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: POLYURETHANE 250 PIGMENT PACK
COLOR: VARIOUS TINTS
MAIN USE: SPECIALTY FLOORING DYE

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

SECTION 2: HAZARDS IDENTIFICATION

GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION:

FLAMMABLE LIQUIDS: CATEGORY 3

EYE DAMAGE: CATEGORY 2

STOT-SE: CATEGORY 3

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS



SIGNAL WORD: WARNING!

HAZARD STATEMENTS

H226: FLAMMABLE LIQUID AND VAPOR

H320: CAUSES EYE IRRITATION

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 (CO₂), FOAM, OR WATER SPRAY (FOR LARGE FIRES) TO EXTINGUISH

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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
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HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	Wt. %	CAS Number
ETHOXY PROPANOL	60-100	001569-02-4
GLYCOL ETHER DB	10-30	000112-34-5

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
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FLASH POINT: 47C (116°F) TCC

CONDITIONS OF FLAMMABILITY: NA

FLAMMABLE LIMITS: **LEL:** ND

UEL: ND

AUTO IGNITION TEMP.: ND

OSHA CLASS: FLAMMABLE LIQUID, PACKING GROUP III

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.

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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	
001569-02-4	NE	NE	NE	NE	
000112-34-5	50	NE	20	100	

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.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: >110°C (230°F) **SPECIFIC GRAVITY:** 1.00-1.10
VAPOR PRESSURE: ND **MELTING POINT:** ND
VAPOR DENSITY: ND **EVAPORATION RATE:** <1
(AIR = 1) (BUTYL ACETATE = 1)
SOLUBILITY IN WATER: SOLUBLE **pH:** NA
COEFFICIENT of WATER/OIL DISTRIBUTION: ND **ODOR THRESHOLD:** ND
APPEARANCE AND ODOR: VARIOUS COLORED LIQUID, MILD ODOR
% VOLATILES BY VOLUME: 90% **%SOLIDS BY WEIGHT:** 11%

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.

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.

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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

GLYCOL ETHER DB	LD50: 3384 mg/kg	SPECIES: RAT
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ACUTE DERMAL TOXICITY- COMPONENTS

GLYCOL ETHER DB	LD50: 2700 mg/kg	SPECIES: RABBIT
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ACUTE INHALATION TOXICITY- COMPONENTS

ND

SKIN CORROSION/IRRITATION

NON-IRRITATING, RABBIT, OECD TEST GUIDLINE 404

SERIOUS EYE DAMAGE/EYE IRRITATION

IRRITATING, RABBIT

SENSITIZATION

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

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)

CATEGORY 3, RESPIRATORY

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)

ND

CARCINOGENIC DATA: NTP: NONE

OSHA: NONE

IARC: NONE

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

ETHOXY PROPANOL	LC50 (24 HRS): 10,000 mg/l	SPECIES: PIMEPHALES PROMELAS
GLYCOL ETHER DB	LC50 (96 HRS): 1300 mg/l	SPECIES: LEPOMIS MACROCHIRUS

ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS

GLYCOL ETHER DB	EC50 (48 HRS): 2850 mg/l	SPECIES: DAPHNIA MAGNA
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ACUTE TOXICITY TO ALGAE/AQUATIC PLANTS: COMPONENTS

GLYCOL ETHER DB	EC50 (96 HRS): 100 mg/l	SPECIES: DESMODUS SUBSPICATUS
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TOXICITY TO BACTERIA: COMPONENTS

ND

PERSISTANCE AND DEGRADABILITY

ND

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SECTION 12: ECOLOGICAL INFORMATION CON'T.

BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION:

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: PAINT RELATED MATERIAL

HAZARD CLASS: 3

UN NUMBER: UN1263

PACKAGING GROUP: III

DOT PRODUCT RQ LBS (KGS): 800 LBS. (362.9 KGS)

HAZARD LABEL: FLAMMABLE LIQUID

HAZARD PLACARD FLAMMABLE LIQUID

IMO SHIPPING DATA: UN1263, PAINT, 3, PG III

ICAO/IATA SHIPPING DATA: UN1263, PAINT RELATED MATERIAL, 3, PG III

PASSENGER AIR MAX QUANTITY: 60L

PASSENGER PACKING INSTRUCTION: 355

CARGO AIR- MAX QTY.: 220L

CARGO AIR INSTRUCTION NUMBER: 366

SECTION 15: REGULATORY INFORMATION

VOC: < 850 g/l

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: ETHOXY PROPANOL, GLYCOL ETHER DB

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

