

## 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-P5000 PART A  
COLOR: CLEAR  
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

ACUTE TOXICITY: CATEGORY 4 (INHALATION-MIST)

RESPIRATORY SENSITIZATION: CATEGORY 1

SKIN SENSITIZATION: CATEGORY 1

ACUTE AQUATIC TOXICITY: CATEGORY 2

CHRONIC AQUATIC TOXICITY: CATEGORY 3

#### GHS LABEL ELEMENTS

##### HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

#### HAZARD STATEMENTS:

H226: FLAMMABLE LIQUID AND VAPOR

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

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

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

# SAFETY DATA SHEET

SK-P5000 PART A

Page 2 of 7

## SECTION 2: HAZARDS IDENTIFICATION CON'T.

### RESPONSE

P303+P361+353: **IF ON SKIN (OR HAIR):** REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER

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

P362+P364: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

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 IF INHALED

MAY CAUSE 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

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS INGREDIENTS</u>	<u>Wt. %</u>	<u>CAS Number</u>
ASPARTIC ESTER	60-100	136210-32-7
1-METHOXY-2-PROPANOL ACETATE	5-10	000108-65-6
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	5-10	054914-37-3
MODIFIED CARBONATE BIS-OXAZOLIDINE	5-10	045899-78-1

## 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.

# SAFETY DATA SHEET

SK-P5000 PART A

Page 3 of 7

## SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT:** 45.5C (114°F) TCC (PM ACETATE)

**CONDITIONS OF FLAMMABILITY:** NA

**FLAMMABLE LIMITS:** LEL: 1.5%

UEL: 7.0%

**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.

## 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	
136210-32-7	NE	NE	NE	NE	
000108-65-6	100	150	100	150	
054914-37-3	NE	NE	NE	NE	
045899-78-1	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 OF THE SOLVENTS BELOW THEIR RESPECTIVE TLV'S. EXHAUST AIR MAY NEED TO BE CLEANED BY SCRUBBERS OR FILTERS TO REDUCE ENVIRONMENTAL CONTAMINATION.

## SAFETY DATA SHEET

SK-P5000 PART A

Page 4 of 7

### 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:** >79.6°C (175°F)

**SPECIFIC GRAVITY:** 1.0-1.1

**VAPOR PRESSURE:** 3.7mmHg @ 20°C (68°F)

**MELTING POINT:** ND

**VAPOR DENSITY:** 2.4  
(AIR = 1)

**EVAPORATION RATE:** >1  
(BUTYL ACETATE = 1)

**SOLUBILITY IN WATER:** INSOLUBLE

**pH:** NA

**COEFFICIENT of WATER/OIL DISTRIBUTION:** ND

**ODOR THRESHOLD:** ND

**APPEARANCE AND ODOR:** CLEAR TO HAZY LIQUID, SWEET SOLVENT ODOR

**% VOLATILES BY VOLUME:** 61%

**% SOLIDS BY WEIGHT:** 48%

### 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.

# SAFETY DATA SHEET

SK-P5000 PART A

Page 5 of 7

## 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

ASPARTIC ESTER	LD50: >5000 mg/kg	SPECIES: RAT
1-METHOXY-2-PROPANOL ACETATE	LD50: 6190 mg/kg	SPECIES: RAT
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	LD50: 4150 mg/kg	SPECIES: RAT
MODIFIED CARBONATE BIS-OXAZOLIDINE	LD50: >2000 mg/kg	SPECIES: RAT

#### ACUTE DERMAL TOXICITY- COMPONENTS

ASPARTIC ESTER	LD50: >2000 mg/kg	SPECIES: RAT
1-METHOXY-2-PROPANOL ACETATE	LD50: >5000 mg/kg	SPECIES: RAT
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	LD50: >5000 mg/kg	SPECIES: RAT
MODIFIED CARBONATE BIS-OXAZOLIDINE	LD50: >2000 mg/kg	SPECIES: RAT

#### ACUTE INHALATION TOXICITY- COMPONENTS OECD TEST GUIDELINE 403

ASPARTIC ESTER	LC50(4 HR): 4.224 mg/l	SPECIES: RAT
1-METHOXY-2-PROPANOL ACETATE	LC50: >4345 ppm	
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	LC50 (4HR): > 4.178mg/l	SPECIES: RAT
MODIFIED CARBONATE BIS-OXAZOLIDINE	ND	

### SKIN CORROSION/IRRITATION

SLIGHTLY TO MODERATELY IRRITATING

### SERIOUS EYE DAMAGE/EYE IRRITATION

SLIGHTLY TO MODERATELY IRRITATING

### SENSITIZATION

DERMAL: POSITIVE (GUINEA PIG, MAGNUSSON/KLINGMAN (MAXIMIZATION TEST))

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

CATEGORY 3 (IRRITATING TO RESPIRATORY SYSTEM)

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

ND

# SAFETY DATA SHEET

SK-P5000 PART A

Page 6 of 7

## SECTION 11: TOXICOLOGICAL INFORMATION CON'T.

**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. BASED ON THE COMPONENTS THE PRODUCT IS ACUTELY HARMFUL FOR AQUATIC ORGANISMS.

#### ACUTE TOXICITY TO FISH- COMPONENTS

ASPARTIC ESTER	LC50 (96 HRS): 66 mg/l	SPECIES: ZEBRAFISH
1-METHOXY-2-PROPANOL ACETATE	LC50 (96 HRS): 161 mg/l	SPECIES: FATHEAD MINNOW
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	LC50 (96 HRS): >100 mg/l	SPECIES: ZEBRAFISH
MODIFIED CARBONATE BIS-OXAZOLIDINE	LC50 (96 HRS): 9.22 mg/l	SPECIES: FATHEAD MINNOW

#### ACUTE TOXICITY TO AQUATIC INVERTEBRATES: COMPONENTS

ASPARTIC ESTER	EC50 (48 HRS): 88.6 mg/l	SPECIES: DAPHNIA MAGNA
1-METHOXY-2-PROPANOL ACETATE	EC50 (48 HRS): 408 mg/l	SPECIES: DAPHNIA MAGNA
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	EC50 (72 HRS): 22.2 mg/l	SPECIES: DAPHNIA MAGNA
MODIFIED CARBONATE BIS-OXAZOLIDINE	EC50 (48 HRS): 6.14 mg/l	SPECIES: DAPHNIA MAGNA

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

ASPARTIC ESTER	ND	
1-METHOXY-2-PROPANOL ACETATE	EC50 (72 HRS): >1000 mg/l	SPECIES: GREEN ALGAE
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	EC50 (72 HRS): 73.6 mg/l	SPECIES: GREEN ALGAE
MODIFIED CARBONATE BIS-OXAZOLIDINE	ND	

#### TOXICITY TO BACTERIA: COMPONENTS

ASPARTIC ESTER	ND	
1-METHOXY-2-PROPANOL ACETATE	EC50: > 1000mg/l	ACTIVATED SLUDGE
ISOPHORONEDIAMINE-ISOBUTYRALDIMINE	ND	
MODIFIED CARBONATE BIS-OXAZOLIDINE	ND	

#### CHRONIC AQUATIC TOXICITY

#### CHRONIC TOXICITY TO AQUATIC INVERTEBRATES

LONG LASTING ADVERSE EFFECTS TO AQUATIC ORGANISMS

#### PERSISTENCE AND DEGRADABILITY

**BIODEGRADABILITY:** NOT READILY BIODEGRADABLE (BY OECD CRITERIA)

#### 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.

# SAFETY DATA SHEET

SK-P5000 PART A

Page 7 of 7

## SECTION 14: TRANSPORT INFORMATION

### DOT PROPER SHIPPING NAME:

AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (BLOCKED DIAMINE, PM ACETATE)

HAZARD CLASS: 8

UN NUMBER: UN 2734

PACKING GROUP: II

### IMO SHIPPING DATA:

UN2734, AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (BLOCKED DIAMINE, PM ACETATE), 8, PG II

### ICAO/IATA SHIPPING DATA:

UN2735, AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (BLOCKED DIAMINE, PM ACETATE), 8, PG II

PASSENGER AIR MAX QUANTITY: 1L

PASSENGER PACKING INSTRUCTION: 851

CARGO AIR- MAX QUANTITY: 30L

CARGO AIR INSTRUCTION NUMBER: 855

## SECTION 15: REGULATORY INFORMATION

VOC: COMPONENT: 84 grams/Liter AS APPLIED: 92 grams/Liter (PART OF MULTI-COMPONENT SYSTEM)

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: NONE

## SECTION 16: OTHER INFORMATION

INITIAL ISSUE DATE: JULY 8, 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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