

## SAFETY DATA SHEET

APFCOLOR QUARTZ

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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: APF COLOR QUARTZ  
CHEMICAL FAMILY: CRYSTALLINE SILICA  
MAIN USE: AGGREGATE FOR SPECIALTY FLOORING

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

### SECTION 2: HAZARDS IDENTIFICATION

#### GLOBALLY HARMONIZED SYSTEM (GHS)

CLASSIFICATION: HAZARDOUS

CARCINOGENICITY: CATEGORY 1A

STOT (REPEATED EXPOSURE): CATEGORY 1

#### GHS LABEL ELEMENTS

#### HAZARD PICTOGRAMS



SIGNAL WORD: DANGER!

#### HAZARD STATEMENTS:

H350: MAY CAUSE CANCER

H371: CAUSES DAMAGE TO LUNGS THROUGH PROLONGED OR REPEATED EXPOSURE BY INHALATION

#### PRECAUTIONARY STATEMENTS:

##### PREVENTION

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

P260: DO NOT BREATHE DUST

P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT

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

P284: IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION

##### RESPONSE

P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

P314: GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL

##### STORAGE

P405: STORE LOCKED UP

##### DISPOSAL

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

#### OTHER HAZARDS

NO DATA AVAILABLE

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**EMERGENCY OVERVIEW:** MATERIAL HAS NO ODOR AND IS NOT FLAMMABLE. IT DOES NOT CAUSE BURNS OR SEVERE SKIN OR EYE IRRITATION. A SINGLE EXPOSURE WILL NOT RESULT IN SERIOUS ADVERSE HEALTH EFFECTS. CRYSTALLINE SILICA IS NOT KNOWN TO BE AN ENVIRONMENTAL HAZARD

PERSONAL PROTECTIVE EQUIPMENT- RESPIRATOR- IS NOT REQUIRED UNLESS THE CONCENTRATION OF RESPIRABLE SILICA DUSTS EXCEEDS APPLICABLE OCCUPATIONAL EXPOSURE LEVELS.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	Wt %	CAS Number
CRYSTALLINE SILICA	60-100	014808-60-7
TITANIUM DIOXIDE	0-5	013463-67-7
IRON (III) OXIDE	0-1.0	001309-37-1
CARBON BLACK	0-1.0	001333-86-4

### SECTION 4: FIRST AID MEASURES

**GENERAL:** SILICA POSES LITTLE IMMEDIATE HAZARD.

**EYES:** FLUSH WITH WATER FOR 15 MINUTES. AVOID RUBBING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**SKIN:** ND

**INHALATION:** NO SPECIFIC FIRST AID IS NECESSARY SINCE THE ADVERSE EFFECTS ASSOCIATED WITH INHALATION OF SILICA RESULT FROM CHRONIC EXPOSURES. IF THERE IS A GROSS INHALATION OF SILICA, REMOVE AFFECTED PERSON TO FRESH AIR. SEEK MEDICAL ATTENTION IF COUGHING OR OTHER SYMPTOMS DO NOT SUBSIDE.

**INGESTION:** ND

### SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT:** NONE

**CONDITIONS OF FLAMMABILITY:** NA

**FLAMMABLE LIMITS:** LEL: ND UEL: ND

**OSHA CLASS:** NOT REGULATED

**AUTO IGNITION TEMP:** ND

**HAZARDOUS COMBUSTION PRODUCTS:** NONE

**SENSITIVITY TO IMPACT:** ND

**SENSITIVITY TO STATIC DISCHARGE:** ND

**EXTINGUISHING MEDIA:** NA

**SPECIAL FIRE FIGHTING PROCEDURES:** NOT IGNITABLE

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** NA

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** USE DUSTLESS METHODS (VACUUM) AND PLACE IN CLOSABLE CONTAINERS FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT AS SHOWN IN SECTION 8.

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<b>SECTION 7: HANDLING AND STORAGE</b>
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**GENERAL:** AVOID GENERATING AND BREATHING DUST. USE ONLY WITH ADEQUATE VENTILATION. KEEP CONTAINER CLOSED. WASH THOROUGHLY AFTER HANDLING.

**STORAGE:** STORE IN COOL, DRY SPACES. HANDLE IN MANNERS WHICH PREVENT DUST.

<b>SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION</b>
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INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
014808-60-7	0.1mg/m <sup>3</sup>	ND	0.05mg/m <sup>3</sup>	ND	Respirable Dust
013463-67-7	10mg/m <sup>3</sup>	ND	10mg/m <sup>3</sup>	ND	Respirable Dust
001309-37-1	5mg/m <sup>3</sup>	ND	5mg/m <sup>3</sup>	ND	Respirable Dust
001333-86-4	3.5mg/m <sup>3</sup>	ND	3.5mg/m <sup>3</sup>	ND	Respirable Dust

**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.**

**RESPIRATORY PROTECTION:** NONE AS REQUIRED. NIOSH-MSHA APPROVED RESPIRATORS (PAPER DISPOSABLE; ½ OR FULL FACE PIECE AIR PURIFYING; SUPPLIED AIR – DEPENDENT UPON PEL LEVELS).

<5X PEL – ANY DUST RESPIRATOR.

5<10X PEL – ANY DUST RESPIRATOR (EXCEPT SINGLE USE OR ¼ MASK). ANY FUME OR HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR.

10<50X PEL – HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR WITH FULL FACE PIECE.

50<500X PEL – POWERED AIR-PURIFYING RESPIRATOR WITH PARTICULATE FILTER.

>500X PEL - SELF-CONTAINED BREATHING APPARATUS.

**PROTECTIVE GLOVES:** NITRILE RUBBER

**EYE PROTECTION:** SPLASH-PROOF GOGGLES OR CHEMICAL SAFETY GLASSES

**OTHER PROTECTIVE EQUIPMENT:** LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

**ENGINEERING CONTROLS:** NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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**BOILING POINT:** 2230°C (4046°F)

**SPECIFIC GRAVITY:** 2.45

**VAPOR PRESSURE:** NA

**MELTING POINT:** NA

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

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

**SOLUBILITY IN WATER:** INSOLUBLE

**pH:** ND

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

**ODOR THRESHOLD:** ND

**APPEARANCE AND ODOR:** COLORED GRANULAR POWDER, NO DISTINCT ODOR.

**% VOLATILES BY VOLUME:** 0%

**% SOLIDS BY WEIGHT:** 100%

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### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** STABLE;

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

**INCOMPATIBILITY (MATERIAL TO AVOID):** HYDROFLUORIC ACID, FLUORINE, CHLORINE TRIFLORIDE OR OXYGEN DIFLOURIDE

**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE

**HAZARDOUS POLYMERIZATION (REACTIVITY):** SILICA WILL DISSOLVE IN HYDROFLUORIC ACID TO GIVE SILICON TETRAFLUORIDE, A CORROSIVE GAS.

### SECTION 11: TOXICOLOGICAL INFORMATION

**LIKELY ROUTES OF EXPOSURE:** EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION.

**EYES:**

**ACUTE** – MAY CAUSE IRRITATION OR INFLAMMATION. ABRASIVE TO EYES.

**CHRONIC** – – ND

**SKIN CONTACT:**

**ACUTE** – ND

**CHRONIC** – ND

**SKIN ABSORPTION:**

**ACUTE** – ND

**CHRONIC** – ND

**INHALATION:**

**ACUTE** – MAY CAUSE IRRITATION.

**CHRONIC** – PERSISTENT COUGH. SHORTNESS OF BREATH. MAY CAUSE SILICOSIS, A FIBROSIS (SCARRING) OF THE LUNGS

**INGESTION:**

**ACUTE** – ND

**CHRONIC** – ND

**CONDITIONS AGGRAVATED BY EXPOSURE:** PROLONGED INHALATION OF ANY DUST PARTICULATE MAY AGGRAVATE RESPIRATORY MEDICAL CONDITIONS.

**ACUTE TOXICITY**

**ACUTE ORAL TOXICITY:** ND

**SKIN CORROSION/IRRITATION**

REPEATED OR PROLONGED SKIN CONTACT MAY LEAD TO IRRITATION

**SERIOUS EYE DAMAGE/EYE IRRITATION**

MAY BE AN EYE IRRITANT. EXPOSURE TO THE DUST MAY CAUSE DISCOMFORT DUE TO PARTICULATE NATURE. MAY CAUSE PHYSICAL IRRITATION TO THE EYES

**SENSITIZATION**

NON-SENSITIZER

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

NA

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

CATEGORY 1, INHALATION, RESPIRATORY TRACT



