



January 1, 2014

## 16 POINT MATERIAL SAFETY DATA SHEET

### SECTION I.

### PRODUCT IDENTIFICATION

Product name: PUMICE  
Trade name: DOMESTIC PUMICE, C.D.PUMICE, BLACK,  
NAVAJO BRAND - C.R. MINERALS, MEXICAN  
KM-100, VOLCANIC ASH  
Chemical family: SILICATE MINERALS  
CAS No: 1332-09-8  
Origin: PUMICE IS A NATURALLY OCCURRING NON-METALLIC MINERAL, A  
PRODUCT OF MINING.

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### SECTION II.

### ANALYSIS & HAZARDOUS INGREDIENTS

Formula: SiO<sub>2</sub> 72%, Al<sub>2</sub>O<sub>3</sub> 12.5%, K<sub>2</sub>O & Na<sub>2</sub>O 11.1%  
Preservatives & Solvents: NONE  
Other gases & liquids: NONE  
Major solids: PUMICE IS NON HAZARDOUS  
Other solids: THIS MINERAL CONTAINS SMALL  
AMOUNTS OF QUARTZ  
(CAS #14808-60-7) GREATER THAN 0.1%

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### SECTION III.

### PHYSICAL DATA

Percent, volatile: NONE  
Solubility in water: INSOLUBLE  
Vapor pressure (mm Hg): NOT APPLICABLE  
Vapor density (Air=1): NOT APPLICABLE  
Specific gravity: 2.6 TRUE, 0.3 TO 0.6 APPARENT  
Appearance: OFF WHITE POWDER, GRAIN OR CHUNK  
Odor: NONE

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### SECTION IV.

### FIRE AND EXPLOSION HAZARD DATA

Flash point: NOT APPLICABLE  
Extinguishing media: WILL NOT BURN  
Special Fire Fighting  
Procedures: NONE  
Unusual Fire &  
Explosion Hazards: NONE  
HMIS Rating: 0

### SECTION V.

### STABILITY & REACTIVITY DATA

Stability: STABLE  
Incompatibility: NONE  
Hazardous decomposition: NONE

Hazardous polymerization: NONE  
HMIS reactivity rating: 0

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SECTION VI.

HEALTH HAZARD DATA & TOXICITY

Exposure limits: OSHA PEL 80 mg/M3 Pumice as nuisance dust.  
ACGIH TLV 3mg/M3 Pumice as nuisance dust.  
OSHA 10mg/M3 Silica as respirable quartz  
ACGIH 0.05 mg/M3 Silica as respirable quartz

Health hazards:  
Inhalation Acute: TRANSITORY UPPER RESPIRATORY IRRITANT.  
Inhalation Chronic: LONG TERM EXPOSURE TO DUST MAY CAUSE SERIOUS PULMONARY AND LUNG DAMAGE.

Signs and Symptoms of Overexposure: ACCIDENTAL EXPOSURE MAY RESULT IN COUGHING, WHEEZING AND IRRITATION OF UPPER RESPIRATORY TRACT.

Carcinogenicity:

IARC Pumice: THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPH VOL. 68 (1997) - IN GROUP 3 (NOT CLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS).

IARC Silica: THIS PRODUCT CONTAINS TRACE LEVELS OF CRYSTALLINE SILICA WHICH IARC CLASSIFIES AS CARCINOGENIC TO HUMANS. (GROUP 1 - CARCINOGENIC TO HUMANS) (REFER TO IARC MONOGRAPH 68, SILICA, SOME SILICATES AND ORGANIC FIBERS, PUBLISHED JUNE 1997).

NTP: YES, Crystalline Silica in respirable is classified as carcinogenic.

OSHA Regulated: NO

Medical conditions generally aggravated by exposure: PRE-EXISTING ASTHMA, BRONCHITIS, EMPHYSEMA AND OTHE LUNG AND RESPIRATORY AILMENTS MAY BE AGGRAVATED BY OVEREXPOSURE.

HMIS health hazard rating: 0

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SECTION VII.

HANDLING

Precautions: USE HANDLING TECHNIQUES THAT MINIMIZE GENERATING DUST AND PROMOTE GOOD VENTILATION.  
STORE BAGS OUT OF PATH OF MOVING VEHICLES. OBSERVE GOOD HOUSE KEEPING PRACTICES.

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SECTION VIII.

SPECIAL PROTECTION

Respiratory: DUST MASK 3M 9000 OR EQUIVALENT.  
Ventilation: LOCAL EXHAUST RECOMMENDED. AVOID DUSTY CONDITIONS.  
Protective gloves: NOT NEEDED  
Eye protection: GOGGLES RECOMMENDED  
Other protection: NONE NEEDED  
Hygienic practice: AVOID VIGOROUS SHAKING OF BAGS. CLEAN CLOTHES WITH VACUUM HOSE, NOT AN AIR BLAST. WASH HANDS BEFORE TAKING FOOD.

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SECTION IX

FIRST AID

Emergency and first aid procedures:

FLUSH EYES WITH COPIOUS AMOUNTS OF COOL WATER FOR 1-15 MINUTES. BLOW NOSE, RINSE MOUTH, DRINK WATER TO CLEAN THROAT.

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SECTION X

STORAGE

DRY, AMBIENT, NO DANGER TO FREEZING

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SECTION XI

SPILLS AND CLEANUP

Spills and leaks:

IF POWDER IS SPILLED, MIST LIGHTLY WITH WATER TO SUPPRESS DUST WHILE SWEEPING UP, OR USE VACUUM CLEANER EQUIPPED WITH EFFICIENT FILTER BAGS. TRANSFER ANY BROKEN BAGS TO NEW BAGS.

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SECTION XII

DISPOSAL

DISPOSE AS NON-TOXIC WASTE

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SECTION XIII

ECOLOGY

PUMICE IS A NATURAL, INERT MATERIAL. IT DOES NOT DEGRADE NOR TRANSFORM ITSELF. AS SUCH IT IS NON-POLLUTING AND NON-DAMAGING TO THE ENVIRONMENT.

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SECTION XIV

TRANSPORTATION

THERE ARE NO RESTRICTIONS ON TRANSPORTING PUMICE

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SECTION XV

LEGISLATION

CONSULT THE COUNTRY OF USE. NO LEGISLATION SPECIFICALLY LIMITING THE USE OF PUMICE IS KNOWN

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SECTION XVI

OTHER INFORMATION

VARIOUS WEBSITES CAN GIVE FURTHER INFORMATION PARTICULARLY FOR LOCAL REGULATIONS