



SAFFIREBLUE INC.

Material Safety Data Sheet

EMERGENCY NUMBERS:

(USA) CHEMTREC : 1(800) 424-9300 (24hrs)

(CAN) CANUTEC : 1(613) 996-6666 (24hrs)

WHMIS	Protective Clothing	TDG Road/Rail
WHMIS CLASS: D-2A		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.

Section I. Product Identification and Uses

Product name	PUMICE STONE	CI#	Not available.
Chemical formula	SiO ₂	CAS#	1317-95-9
Synonyms	Crystalline free silica, Tripoli, AC-7926, 76774	Code	AC-7926
Supplier	Saffire Blue Inc. 1444 Bell Mill Road Tillsonburg, ON N4G4G9 Canada Tel: 519-286-0295 Toll Free: 877-248-1115	Formula weight	60.06
Material uses	For laboratory use only.		
		Supersedes	

Section II. Ingredients

Name	CAS #	%	TLV
1) SILICA, QUARTZ	1317-95-9	98	Exposure limits: ACGIH (Tripoli - respirable dust) TWA 0.1 mg/m ³ :

Toxicity values of the hazardous ingredients

PUMICE STONE:
LD50: Not available.
LC50: Not available.

Section III. Physical Data

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Physical state and appearance / Odor	Solid. (Cream to rose, free flowing powder. Odorless.)
pH (1% soln/water)	Not applicable.
Odor threshold	Not available.
Percent volatile	Not applicable.
Freezing point	Rose: 1640°C; Cream: 1707°C
Boiling point	Not available.
Specific gravity	2.15-2.45 (Water = 1)
Vapor density	Not available.
Vapor pressure	Not available.
Water/oil dist. coeff.	Not available.
Evaporation rate	Not applicable.
Solubility	Insoluble in cold water.

Section IV. Fire and Explosion Data

Flash point	Not applicable.
Flammable limits	Not applicable.
Auto-ignition temperature	Not applicable.
Fire degradation products	Not available.
Fire extinguishing procedures	Use extinguishing media appropriate to surrounding fire conditions. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full facepiece operated in a pressure demand or other positive pressure mode.
Fire and Explosion Hazards	The sensitivity to static discharge is not available. The sensitivity to impact is not available. Emits toxic fumes under fire conditions.

Section V. Toxicological Properties

Routes of entry	Inhalation and ingestion.
Effects of Acute Exposure	Harmful by inhalation. May be harmful by ingestion.
Eye	Dust may cause redness, irritation and possible damage to the cornea due to abrasiveness.
Skin	Dust may cause irritation due to abrasive action.
Inhalation	Dust may cause coughing, sneezing, and dyspnea. May cause delayed lung injury.
Ingestion	No specific information is available on this material.

Section V. Toxicological Properties

Effects of Chronic Overexposure Prolonged or repeated exposure to crystalline silica may cause silicosis. Silicosis usually develops gradually over 10 years or more of exposure. However, "acute" silicosis can develop if very high concentrations are inhaled over a short period of time. There is sufficient evidence of the carcinogenicity of this substance in experimental animals (reasonably anticipated carcinogen). IARC - Group 2A (probably carcinogenic to humans). Mutagenic effects: Not available. Teratogenic effects: Not available. Toxicity of the product to the reproductive system: Not available. Medical conditions which may be aggravated: Individuals with preexisting disease of the respiratory system may be more susceptible to the toxicity of overexposure to this product.

Section VI. First Aid Measures

Eye contact Immediately flush eyes with copious quantities of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Call a physician.

Skin contact Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. If irritation occurs or persists seek medical attention.

Inhalation Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Call a physician.

Ingestion If conscious, wash out mouth with water. Never give anything by mouth to an unconscious or convulsing person. Call a physician.

Section VII. Reactivity Data

Stability Stable. Conditions to avoid: High temperatures, sparks, open flames and all other sources of ignition, contamination.

Hazardous decomp. products Not available.

Incompatibility Strong oxidizing agents, chlorine trifluoride, manganese trifluoride, oxygen difluoride, hydrochloric acid, magnesium, sodium, vinyl acetate, hydrofluoric acid, strong acids, strong bases, fluorine, manganese trioxide, hydrogen fluoride.

Reaction Products Contact with hydrofluoric acid liberates toxic/corrosive silicon tetrafluoride gas. Hazardous polymerization will not occur.

Section VIII. Preventive Measures

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Protective Clothing in case of spill and leak Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

Spill and leak Evacuate the area. Keep substance damp using water spray. Sweep up and place in container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete. DO NOT touch spilled material.

Waste disposal According to all applicable regulations.

Storage and Handling Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not wash down the drain. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. Keep container tightly closed and dry. Product is highly hygroscopic. Empty containers may contain a hazardous residue. Handle and open container with care. Minimize dust generation and exposure - use dust mask or appropriate protection. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling.

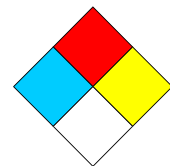
Section IX. Protective Measures

Protective clothing Splash goggles. Impervious gloves, apron, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. Wear dust mask. If more than TLV, do not breathe vapor. Wear self-contained breathing apparatus. Do not wear contact lenses. Make eye bath and emergency shower available. Ensure that eyewash station and safety shower is proximal to the work-station location.

Engineering controls Use in a chemical fume hood to keep airborne levels below recommended exposure limits. Use adequate ventilation. Do not use in unventilated spaces.

Section X. Other Information

Special Precautions or comments Do not breathe dust. Avoid all contact with the product. Avoid prolonged or repeated exposure. Use in a chemical fume hood. Handle and open container with care. Container should be opened only by a technically qualified person.
RTECS NO: VV7336000 (Silica quartz).



NFPA

Validated 10-Oct-2012

While the company believes the data set forth herein are accurate as of the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.