

Material Safety Data Sheet - Calcium Silicate Masonry Units

Section I- Hazardous Ingredients

Free Silica – SiO₂ : Released from product only upon dust-producing finishing operations.
CAS #:14808-60-7 (Quartz), CAS #: 14464-46-1 (Cristobalite)

Section II- Preparation Information

Prepared by **Arriscraft International**, phone **519-653-3275**, on January 2, 2014.

Section III- Product Information

Product: **Calcium Silicate Masonry Unit**
Use: **Masonry Unit**

Manufacturer: **Arriscraft International**
(HEAD OFFICE) 875 Speedsville Rd.
P.O. Box 3190
Cambridge, ON N3H 4S8

Emergency Telephone Number: 519-653-3275

Section IV- Physical Data

Physical State: **Solid**
Specific Gravity: **2.06**
Boiling Point: **N.A.**
Evaporation Rate: **N.A.**

Appearance & Odour: **Sandstone, No odour**
Co-efficient of Water/Oil Distribution: **N.A.**
Freezing Point: **N.A.** pH: **N.A.**
Percent Volatile: **N.A.**

Odour Threshold: **N.A.**
Vapour Pressure: **N.A.**
Vapour Density: **N.A.**

Section V- Fire Explosion Hazard

Conditions of Flammability: **Non-flammable**

Means of Extinction: **N.A.**

Explosion Data

Sensitivity to Mechanical Impact: **N.A.**

Sensitivity to Static Discharge: **N.A.**

Flashpoint: **N.A.**

Upper Flammable Limit %: **N.A.**

Lower Flammable Limit %: **N.A.**

Autoignition Temperature: **N.A.**

Hazardous Combustion Products: **N.A.**

Section VI- Reactivity Data

Stability: **Stable**

Incompatible Materials: Muriatic Acid, Deicing compounds

Conditions of Reactivity: **N.A.**

Hazardous Decomposition Products: **None**

Section VII- Toxicological Properties

			Dust (silica) may be Route of Entry generated during shaping operations
N.A. Skin Contact	N.A. Skin Absorption	N.A. Eye Contact	N.A. Inhalation Ingestion

Effects of Acute Exposure to Product: **None**
Effects of Chronic Exposure to Product: **Long term exposure to respirable, crystalline, silica generated in small amounts during shaping operations (sawing, sanding) may lead to silicosis. The International Agency for Research on Cancer (IARC) has evaluated in Volume 68, Monographs on the Evaluation of the Carcinogenicity Risk of Chemicals to Humans, Silica (1997), crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).**
Exposure Limits: TWAE respirable, crystalline silica: 0.10mg/m3
Irritancy to Product: **N.A.** Synergistic Products: **N.A.** Sensitivity to Product: **N.A.**
Evidence of Reproductive Toxicity, Teratogenicity or Mutagenicity?: **N.A.**
Evidence of Carcinogenicity: IARC Monographs, Group I

Section VIII- Preventative Measures

Personal Protective Equipment

Gloves: **To protect from bruises and scrapes**
Respiratory: **Approved dust mask is required for some finishing operations such as sawing or sanding where dust is created.**
Eye: **Safety glasses or goggles when splitting or chipping**
Footwear: **Steel toed footwear recommended**

Engineering Controls: **Use a wet sawing operation, if possible. Ensure adequate ventilation during any finishing operations.**
Waste Disposal: **Landfill**
Handling Procedures and Equipment: **Heavy material- proper lifting methods or equipment**
Storage Requirements: **No special requirements**

Section IX- First Aid Measures

Inhalation: **N.A.** Ingestion: **N.A.** Eye Contact: **N.A.** Skin Contact: **N.A.**
