



ARRISCRAFT™
I N T E R N A T I O N A L
BUILDING STONE • BRICK • LIMESTONE

Material Safety Data Sheet - Calcium Silicate Masonry Unit

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 4, 2011.

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 | Appearance & Odour: Sandstone, No odour | Odour Threshold: N.A. |
| Specific Gravity: 2.06 | Co-efficient of Water/Oil Distribution: N.A. | Vapour Pressure: N.A. |
| Boiling Point: N.A. | Freezing Point: N.A. pH: N.A. | Vapour Density: N.A. |
| Evaporation Rate: N.A. | Percent Volatile: N.A. | |

Section V- Fire Explosion Hazard

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|--|--|
| 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

| | | | | | | |
|-----------------------|-------------|-----------------|-------------|-------------|---|-------------|
| Route of Entry | N.A. | N.A. | N.A. | N.A. | Dust (silica) may be generated during shaping operations | N.A. |
| Sk | in Contact | Skin Absorption | Eye | Contact | 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.**

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.**