



MATERIAL SAFETY DATA SHEET

Section I: Product Information

Product Identifier: Arim Inc.

Specific Marble Product Names: Medium Buff (Y45), Light Buff (Y40), Canadian Blue-Grey (G40), Canadian White (W40), Chocolate (C40), Canadian Black (B40), Royal Green (GN40), Pink (P40).

Manufacturer/Supplier: Arim, Inc.

Address: 154 W Edsall Blvd, Palisades Park NJ 07650

Emergency Telephone: (201) 645-1814

Chemical/Mineralogical Name: Dolomite and Calcitic Marble

Chemical/Mineralogical Family: Metamorphic Rock

Chemical Formula: Primary: $MgCa(CO_3)_2$

Secondary: Complex mineralogical mixture

Product Uses: Architectural concrete aggregate, terrazzo stone, Landscape stone

Section II: Hazardous Ingredients

<u>Haz Ingredient</u>	<u>Concentration</u>	<u>CAS Number</u>	<u>LD50/LC50</u>
Silica (Quartz)	variable (<1% to 35%)	14808-60-7	N/A
Mica	minor (< 2%)	12001-26-2	N/A

Section III: Physical Data

Physical State: Solid

Odour & Appearance: Angular particles of various colours ranging in size from sand to cobble-sized aggregate. No odours.

Specific Gravity: 2.6 – 2.9

Evaporation Rate: 0

Solubility in Water: Negligible

Odour threshold, vapour pressure,
vapour density, freezing point, pH,
and coefficient of water/oil distribution: N/A

Section IV: Fire or Explosion Hazard

Section not applicable

Section V: Reactivity Data

Chemical Stability: Yes

Incompatibility to other substances: Yes, Acids

Hazardous decomposition products: Carbon Dioxide (C.A.S. #124-38-9)

Reactivity: Acts to Neutralize strong acids.
Decomposes at 800 to 900 degrees C

Section VI: Toxicological Properties of Material

Route of Entry: Inhalation, skin contact, eye contact

Effects of Acute Exposure: Exposure to dust may irritate respiratory system, eyes and skin. Use of this and similar products in coarse or fine aggregate form are believed not to have caused acute toxic effects.

Effects of Chronic Exposure:

Irritation of eyes, nose and throat may continue if contact is prolonged or often repeated. Chronic exposure to respirable aggregate dust containing quartz and/or mica at levels exceeding exposure limits has caused silicosis, a serious and progressive pneumoconiosis which can be disabling and lead to death. Symptoms may appear at any time; even years after exposure has ceased. Symptoms of silicosis and mica pneumoconiosis may include shortness of breath, difficulty in breathing, coughing, diminished work capacity, diminished chest expansion, reduction of lung volume and right heart enlargement.

Exposure Limits:
values:

Ontario time-weighted average exposure

Total dust = 10mg / cu m
Respirable silica = 0.1 to 0.2 mg/cu m
For additional information on the above
exposure limits consult Ontario Regulations
654/86 and 769/83

Irritancy:

Respiratory, skin and eyes

Sensitization:

N/A

Carcinogenicity, Reproductive Toxicity, Teratogenicity, Mutagenicity:
Silica is present in this product. There is limited evidence that crystalline silica is a carcinogen to humans. There is no evidence that other components, such as Calcium Carbonate, are carcinogens, reproductive toxins, teratogens, or mutagens.

Toxicologically synergistic products:

None known.

Section VII: Preventive Measures

Personal Protective Equipment:

Respiratory protection should be used whenever dust is generated. Refer to Ontario Regulation 769/83 as amended for respiratory equipment specified for various respirable silica dust levels. In other jurisdictions NIOSH MSHA (or equivalent) approved dust respirators should be used where dust levels exceed or are likely to exceed exposure limits. Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively dusty (visible) conditions are present or are anticipated.

Engineering Controls:

As much as practicable, use wet suppression, ventilation, enclosed employee work stations, process enclosures and any other methods to keep dust levels down.

Leak or Spill Procedures:

Spill material should be watered down before clean up to reduce dust generation.

Waste Disposal:

Re-use clean materials. Dispose of waste material in an approved landfill site.

Handling Procedures and Equipment:

Respirable dust may be generated during processing, handling and storage. Use safety equipment and engineering controls as described above.

Storage Requirements:
Store to minimize or avoid dust generation.

Section VIII: First Aid Measures

Skin: Wash affected area with soap and water if rash develops.

Eyes: Flush the affected eye(s) with water for at least 15 minutes.

Inhalation: Remove person to fresh air. Dust in nose and throat should clean spontaneously.

Note: Contact a physician if irritation persists or recurs.

Section IX: Preparation Information

Prepared by: Arim, Inc.
Telephone: (201) 645-1814
Preparation Date: October 15, 2013

NOTE:

The company believes that the information contained herein is factual. The data and information presented are without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. This information is subject to verification.

Most (but not all) natural aggregates contain silica and, to a lesser extent, mica as well as other naturally occurring minerals. We except no responsibility and disclaim all liability for any harmful effects, which may be caused by exposure to these elements. Customers / users of this aggregate must comply with all applicable health and safety laws, regulations and orders.