

Material Safety Data Sheet



Scotchlite Brand Glass Bubbles K20

Section 1. Chemical Product and Company Identification

Common/Trade name : Scotchlite Brand Glass Bubbles K20
Supplier : L.V. Lomas Limited/Limitée
99 Summerlea Road
Brampton, Ontario L8T 4V2 905-458-1555
Synonym : Not available.
Chemical name : Not available.
Chemical family : Not available.
Material Uses : Lightweight Filler.
Manufacturer : 3M Specialty Materials
3M Center
St. Paul, MN 55144-1000
U.S.A.
Code : MMMK20, MMMK20A
CI# : Not applicable.
CAS # : Mixture. All components are listed on DSL (Canada).
Warehouse Class. : Class I Commodity

EMERGENCY SPILL INFORMATION : PHILIP ENTERPRISE INC. 1-800-567-7455 (CANADA)
OTHER INFORMATION : 905.458.1555

Section 2. Composition, Information on Ingredients

| Name | CAS # | % by Weight | Exposure Limits |
|-----------------------------|------------|-------------|--|
| Soda Lime Boroalicate Glass | 65997-17-3 | 97-100 | TWA: 10 mg/m ³ OSHA (United States). |
| Amorphous silica | 7631-86-9 | <3 | TWA: 6 mg/m ³ ACGIH (United States). TWA: 10 mg/m ³ (United States). TWA: 3 mg/m ³ 8 hour(s). Form: Respirable dust |

Section 3. Hazards Identification

Physical State and Appearance : Solid. (Low Density Fine Powder [Less than 10 microns])
Emergency Overview : CAUTION!
MAY BE HARMFUL IF INHALED OR SWALLOWED.
MAY CAUSE EYE AND SKIN IRRITATION.
Avoid contact with eyes, skin and clothing. DO NOT ingest. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling
Routes of Entry : Eye contact. Skin contact. Inhalation. Ingestion.
Potential Acute Health Effects
Eyes : Mechanical eye irritation: signs/symptoms may include pain, redness, tearing and corneal abrasion. Avoid eye contact.
Skin : Mechanical skin irritation: signs/symptoms may include abrasion, redness, pain, and itching. Avoid skin contact.
Inhalation : Upper respiratory tract irritation: signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Prolonged or repeated exposure may cause : Lung Effects: Signs/symptoms may include difficulty breathing, cough, wheezing, weakness, increased heart rate, bluish coloured skin (cyanosis), sputum production and changes in lung function tests. Avoid inhalation.
Ingestion : Gastrointestinal irritation: signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.
Medical Conditions Aggravated by Overexposure: : Not available.
Overexposure /Signs/Symptoms : Prolonged or repeated exposure may cause : Lung Effects: Signs/symptoms may include difficulty breathing, cough, wheezing, weakness, increased heart rate, bluish coloured skin (cyanosis), sputum production and changes in lung function tests.

See Toxicological Information (section 11)

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Section 4. First Aid Measures

| | |
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| Eye Contact | : Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. |
| Skin Contact | : Wash affected areas with soap and water. If signs/symptoms develop, get medical attention. |
| Inhalation | : Remove person to fresh air. If signs/symptoms develop, get medical attention. |
| Ingestion | : Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. |
| Notes to Physician | : Not available. |

Section 5. Fire Fighting Measures

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| Flammability of the Product | : Non-flammable. Material will not burn. Non-combustible. |
| Autoignition Temperature | : Not applicable. |
| Flash Points | : Not applicable. |
| Flammable Limits | : Not applicable. |
| Products of Combustion | : None known. |
| Fire Hazards in Presence of Various Substances | : No specific information is available in our database regarding the flammability of this product in presence of various materials. |
| Explosion Hazards in Presence of Various Substances | : Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials. |
| Fire Fighting Media and Instructions | : Non-combustible. Choose material suitable for surrounding fire. |
| Protective Clothing (Fire) | : Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. |
| Special Remarks on Fire Hazards | : No unusual fire or explosion hazards are anticipated. |
| Special Remarks on Explosion Hazards | : No unusual fire or explosion hazards are anticipated. |


Section 6. Accidental Release Measures

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| Small Spill and Leak | : Observe precautions from other sections. Ventilate the area with fresh air. Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Clean up residue. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible. In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, provincial and federal regulations. Wear protective equipment during cleanup. |
| Large Spill and Leak | : Our data base contains no additional information in case of a spill and/or a leak of the product. |

Section 7. Handling and Storage

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| Handling | : Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only. |
| Storage | : Store away from oxidizing agents. Store in a cool, dry and well ventilated location. |

Section 8. Exposure Controls, Personal Protection

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| Engineering Controls | : Conduct air monitoring to determine adequacy of ventilation. Use with appropriate local exhaust ventilation. |
| Personal Protection | <p>Eyes : Avoid eye contact. The following eye protection(s) are recommended: Safety glasses with side shields.</p> <p>Body : Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.</p> <p>Respiratory : Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with P95 particulate filters. Determine the appropriate type by consulting the respirator manufacturer.</p> <p>Hands : Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Neoprene, Nitrile Rubber.</p> <p>Feet : Not available.</p> |
| Protective Clothing (Piktograms) | :  |
| Personal Protection in Case of a Large Spill | : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |

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Amorphous silica

OSHA (United States).
TWA: 8 mg/m³
ACGIH (United States).
TWA: 10 mg/m³
(United States).
TWA: 3 mg/m³ 8 hour(s). Form: Respirable dust

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance : Solid. (Low Density Fine Powder [Less than 10 microns])
 Color : White.
 Odor : Odourless.
 Taste : Not available.
 Molecular Weight : Not available.
 Molecular Formula : Not available.
 pH (1% Soln/Water) : Not available
 Boiling/Condensation Point : Not applicable.
 Melting/Freezing Point : No data available.
 Critical Temperature : Not available.
 Specific Gravity : 0.1 - 0.6. Density: 0.1 g/ml - 0.6 g/ml
 Vapor Pressure : Not applicable.
 Vapor Density : Not applicable.
 Volatility : <0.5% weight
 Odor Threshold : Not available.
 Evaporation Rate : Not applicable.
 VOC : Not applicable.
 Viscosity : Not applicable.
 LogK_{ow} : Not available.
 Ionicity (in Water) : Not available.
 Dispersion Properties : Not available.
 Solubility : Negligible.

Section 10. Stability and Reactivity

Stability and Reactivity : The product is stable.
 Conditions of Instability : None known.
 Incompatibility with Various Substances : None known.
 Remarks on Reactivity/Incompatibility : No additional remark.
 Hazardous Decomposition Products : None known.
 Hazardous Polymerisation : Will not occur.

Section 11. Toxicological Information

Special Remarks on Toxicity to Animals : Not available.
 Chronic Effects on Humans : CARCINOGENIC EFFECTS: Not available.
 MUTAGENIC EFFECTS: Not available.
 TERATOGENIC EFFECTS: Not available.
 DEVELOPMENTAL TOXICITY: Not available.
 Other Toxic Effects on Humans : Not available.

Section 12. Ecological Information

Ecotoxicity Data
 Not available.

Products of Degradation : No specific information is available in our database regarding the degradation of products.

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Section 13. Disposal Considerations

Waste Information : Reclaim if feasible. For quantities <100 lbs. (50 kg): dispose of waste product in a sanitary landfill. For larger quantities: dispose of waste product in a facility permitted to accept chemical waste.
EPA WASTE NO : Not regulated.
 Consult your local or regional authorities.

Section 14. Transport Information

| Regulatory Information | UN number | Proper shipping name | Class | Packing Group | Label | Additional information |
|------------------------|-----------|----------------------|--|---------------|-------|------------------------|
| DOT Classification | | - | Not a DOT controlled material (United States). | | | |
| TDG Classification | | - | Not regulated under TDG (Canada). | | | |
| ADR/RID Class | | | Not available. | | | |
| IMDG Class | | | Not available. | | | |
| IATA-DGR Class | | | Not available. | | | |

Section 15. Regulatory Information

HCS Classification : Not controlled under the HCS (United States).
U.S. Federal Regulations : TSCA inventory: All components are listed on TSCA (U.S.).
 SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
 SARA 313 toxic chemical notification and release reporting: No products were found.
 Clean water act (CWA) 307: No products were found.
 Clean water act (CWA) 311: No products were found.
 Clean air act (CAA) 112 accidental release prevention: No products were found.
 Clean air act (CAA) 112 regulated flammable substances: No products were found.
 Clean air act (CAA) 112 regulated toxic substances: No products were found.
State Regulations : Not available.
 California prop. 65: Not available.
WHMIS (Canada) : Not controlled under WHMIS (Canada).
 CEPA DSL: All components are listed on DSL (Canada).
International Regulations
 EINECS : This product is an article as defined by EINECS, and is exempt from chemical inventory listing requirements.
 DSCCL (EEC) : Not available.
 International Lists : This product is an article as defined by MITI, KECI, AICS, PICCS and CICS regulations, and is exempt from chemical inventory listing requirements. Korea and China also require product registration.

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

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|---------------------|-----|---|
| Health | N/A | 1 |
| Env. Hazard | | 0 |
| Reactivity | | 0 |
| Personal Protection | | X |


National Fire Protection Association (U.S.A.)



References : - Manufacturer's Material Safety Data Sheet.
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Validated by Regulatory Affairs Department.

 Indicates information that has changed from previously issued version.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.