# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** LEWCO Silica Mat, 1/4", 1/2" & 1"
**Product Use Description:** Thermal insulation materials
**Manufacturer/Distributor:** Lewco Specialty Products, Inc.
6859 Renoir Avenue
Baton Rouge, LA 70806
**Telephone:** (800) 221-6414 TX & AR (800) 233-9755
(225) 924-3221 Fax (225) 927-2918
**Emergency Telephone:** Not available

## 2. HAZARDS IDENTIFICATION

**GHS hazard classification**

Health hazards: Respiratory or skin sensitization, 1 Skin
Skin corrosion/irritation, 2
Serious eye damage/eye Irritation, 2A
Specific target organ toxicity - Single exposure, 3
Physical hazards: Not classified
Environmental: Not classified

**GHS lab elements**

Signal words: Warning

Hazard statements: H315, Causes skin irritation
H317, May cause an allergic skin reaction
H320, Causes eye irritation
H335, May cause respiratory irritation

Hazard pictograms/symbols:

**Precautionary statements**

(Prevention): P264, Wash…thoroughly after handling.
P280, Wear protective gloves/protective clothing/eye protection/face protection

(Response): P302 + P352, IF ON SKIN-Wash with plenty of soap and water.
P304 + P340, IF INHALED-Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338, IF IN EYES-Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312, Call a POISON CENTER or doctor/physician if you feel unwell.
P321, Specific treatment (see supplemental first aid on this label).

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| | P332+313, If skin irritation occurs-Get medical advice/attention.<br>P337+313: If eye irritation persists-Get medical advice/attention.<br>P362, Take off contaminated clothing and wash before reuse.<br>P370+378, In case of fire: Use dry chemical, dry sand, carbon dioxide or alcohol-resistant foam to extinguish. |
| (Storage): | Not applicable |
| (Disposal): | P501, Dispose of contents/container in accordance with local regulation. |
| Description of any hazards not otherwise classified: | Not applicable |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS number | % by weight |
|---|---|---|
| Silicon dioxide | 7631-86-9 | 98 |
| **(See Section 8 for Exposure Limits)** | | |

## 4. FIRST AID MEASURES

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| **Inhalation:** | Move individual to fresh air. Drink water to clear throat and blow nose to remove fibers. Seek medical attention if irritation persists. |
| **Skin Contact:** | Wash with mild soap and running water: use a washcloth to help remove dust and fibers. To avoid further irritation do not rub or scratch irritated areas. Rubbing or scratching may force fibers into the skin. Seek medical attention if irritation persists. |
| **Eye Contact:** | Flush eyes with flowing water for at least 15 minutes. Seek medical attention if irritation persists. |
| **Ingestion:** | Drink extra water to assist natural elimination. Seek medical attention if gastrointestinal irritation persists or other symptoms such as nausea, vomiting, or abdominal pain occur. |
| **Most important symptoms/effects-acute or delayed:** | Irritation of dusts and fibers may result in inflammation of the upper respiratory tract (mouth, nose and throat), and itch and temporary mechanical irritation on skin. |
| **Immediate medical care and special treatment needed:** | Indication for physician: No specific medical precaution necessary. |

## 5. FIRE FIGHTING MEASURES

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| **Suitable extinguishing equipment:** | Water, foam, carbon dioxide (CO2), dry chemical |
| **Specific hazards:** | Silica fibers are not flammable and incombustible and don't support Combustion. Only the packaging (plastic film, paper, cardboard, wood) and the small amounts of organic binders are combustible and could release small quantities of hazardous gases. |
| **Special protective equipment or precautions for firefighters:** | Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary. |

## 6. ACCIDENTAL RELEASE MEASURES

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| **Personal precautions and protective equipment:** | Wear suitable protective clothing, gloves and eye/face protection. Just in case of dusty environment avoid contact with the skin and the eyes. |
| **Emergency procedures:** | Evacuate personnel to safe areas. Provide sufficient ventilation. |

**Environmental precautions:** Textile glass products are ecologically harmless.
**Cleanup procedures:** Vacuum clean, sweep or shovel into containers normally used for glass waste. Dispose of in accordance with appropriate laws and regulations.

## 7. HANDLING AND STORAGE

**Handling:** Use adequate safety equipment (gloves, glasses, dust mask) in order to minimize the possible risk of contact with skin, mucous membrane and eyes and decrease irritations and allergies.

**Storage:** Keep in manufacturer bag and store in a good ventilated area. Avoid direct sun light.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Exposure Limits**

| Component: | Limit/set by |
|---|---|
| Silica fiber | OSHA: TWA-PEL, 15 mg/m3 (total nuisance dust) and 6 mg/m3 (respirable nuisance dust); ACGIH: TWA-TLV, 10 mg/m3 (total dust). |

**Engineering controls**

Ventilation: General dilution ventilation and/or local exhaust ventilation should be provided, as necessary to maintain exposures below TWA's limitation

**Personal protective Equipment**

Respiratory Protection: A properly fitted NIOSH/MHSA approved disposable dust respirator (TC-21C-132) should be used when: the level of dust in the air exceeds permissible exposure limits; or if irritation occurs. Use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under CFR. Respiratory protection is also recommended if this product is subject to steady state temperatures that exceed the 1850 °F. (Use an approved high efficiency air particulate filter).

Hand Protection: Wear gloves when handling this product, and wash thoroughly with soap and water after handling materials.

Eye Protection: Safety glasses, goggles or face shields should be worn whenever materials are being handled.

Protective Clothing: Wear loose fitting, long sleeved shirt and long pants if irritation is experienced.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (physical state, color, etc.):** Solid, white
**Upper/lower flammability or explosive limits:** Not available
**Odor:** No odor
**Vapor pressure:** Not available
**Odor threshold:** Not available
**Vapor density:** Not available
**pH:** Not available
**Relative density Specific Gravity ($H_2O$=1):** 2.1
**Melting point:** Approx. 3000 °F
**Solubility(ies):** Insoluble in water

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| **Initial boiling point and boiling range:** | Not available |
| **Flash point:** | Not available |
| **Evaporation rate:** | Not available |
| **Flammability (solid, gas):** | Not available |
| **Partition coefficient(n-octanol/water):** | Not available |
| **Auto-ignition temperature:** | Not available |
| **Decomposition temperature:** | Not available |
| **Viscosity:** | Not available |

## 10. STABILITY AND REACTIVITY

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| **Chemical Stability:** | Product is stable under normal conditions of use |
| **Conditions to avoid:** | The base fabric will partially transform to a cristobalite structure when subjected to steady state temperatures above 1850 °F. In the event it is subjected to continuous temperatures exceeding 1850 °F appropriate caution should be exercised. |
| **Materials to avoid:** | Materials are not compatible with the basin phosphates, hydrofluoric acids, some oxides and hydroxides; especially at elevated temperatures |
| **Hazardous decomposition products:** | If the material is heated, residual proprietary organic ingredients contained in this product may produce smoke and irritating fumes including carbon monoxide and carbon dioxide. |
| **Possibility of hazardous reactions/reactivity:** | Not available |

## 11. TOXICOLOGICAL INFORMATION

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| **Likely routes of exposure:** | Textile glass products do not contain hazardous or toxic ingredients |
| **Chronic toxicity/effects from short- and long-term exposure:** | Not available |
| **Acute toxicity:** | Not available |
| **Carcinogens:** | Textile glass products are not carcinogenic. They have a nominal filament diameter of 9µm. The smallest possible filament diameter is 6µm. According to the TRGS 905 (April 1996) fine fiber dust can be carcionogenic only if all following conditions are fulfilled: fiber length>5µm, diameter <3µm, ratio of length to diameter >3:1. |

## 12. ECOLOGICAL INFORMATION

Textile glass fiber are made from mineral raw material and do not have essential organic substances. They are not biologically decomposable. Textile glass fiber is ecologically harmless.

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose in accordance with federal, state, and local regulations as a solid non-hazardous waste. This material is not regulated under RCRA hazardous waste regulations.

## 14. TRANSPORT INFORMATION

Textile glass fiber are not materials in sense of hazardous material. Therefore there are no special measures necessary for the transportation and labeling by land, sea or air. Transport in closed vehicles in original packaging

to protect from humidity.

## 15. REGULATORY INFORMATION

EPA, RCRA 40 CFR, Part 261, 1990: Non-hazardous
CERCLA: Not listed
SARA Title III: Exempt by definition
PA Right-to-Know: Less than reportable quantity
TSCA Inventory: Exempt per scetion 8(a), 710.2(f), and 704.5(a)
CA Proposition 65: Insignificant trace quantity
MA Right-to-Know: Less than reportable quantity
NJ Right-to-Know: Less than reportable quantity

## 16. OTHER INFORMATION

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