

**MSDS**  
**ROADWARE MENDERBLENDER**

**Section 1 Manufacturer's Name:**

Roadware Incorporated  
2100 Wentworth Avenue  
South St. Paul, MN 55075-1517  
651-457-6122

24 HOUR EMERGENCY TELEPHONE NUMBER: CHEM-TEL 800-255-3924 USE ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING ROADWARE PRODUCTS.

**Product Name Code# Product Name Code#**

Roadware MenderBlender Item 2001

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**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

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Hazardous Components CAS No. PEL(OSHA)  
mg/M3  
Silica Sand, crystalline 14808-60-7 10  
%SiO<sub>2</sub>+ 2  
Portland Cement 65997-15-1 5  
May Contain one or more of the following ingredients:  
Amorphous Silica 07631-86-9 80mg/M3

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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**Flammability:** Noncombustible and not explosive.

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**SECTION V- REACTIVITY DATA**

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**Stability:** Stable.

**Incompatibility (Materials to Avoid):** Contact of silica with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride, may cause fires.

**Hazardous Decomposition or By-products:** Silica will dissolve in Hydrofluoric Acid and produce a corrosive gassilicon tetrafluoride.

**Hazardous Polymerization:** Will Not Occur.

**Condition to Avoid:** Keep dry until used to preserve product utility.

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**SECTION VI - HEALTH HAZARD DATA**

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**Route(s) of Entry:** Inhalation, Skin, Ingestion

**Acute Exposure:** Product becomes alkaline when exposed to moisture. Exposure can dry the skin, cause alkali burns and effect the mucous membranes. Dust can irritate the eyes and upper respiratory system. Toxic effects noted in animals include, for acute exposures, alveolar damage with pulmonary edema.

**Chronic Exposure:** Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis. Respirable crystalline silica ( quartz) can cause silicosis, a fibrosis (scarring) of the lungs and possibly cancer. There is evidence that exposure to respirable silica or the disease silicosis is associated with an increased incidence of Scleroderma, tuberculosis and kidney disorders.

**Carcinogenicity Listings:**NTP: Known carcinogen

OSHA: Not listed as a carcinogen

IARC Monographs: Group 1 Carcinogen

California Proposition 65: Known carcinogen

**NTP:** The National Toxicology Program, in its Ninth Report on Carcinogens (released May 15, 2000) concluded that Respirable crystalline silica (RCS), primarily quartz dusts occurring in industrial and occupational settings, is known to be a human carcinogen, based on sufficient evidence of carcinogenicity from studies in humans indicating a causal relationship between exposure to RCS and increased lung cancer rates in workers exposed to crystalline silica dust (reviewed in IARC, 1997; Brown et al., 1997; Hind et al., 1997)

**IARC:** The International Agency for Research on Cancer (IARC) concluded that there was sufficient evidence in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite from occupational sources, and that there is sufficient evidence in experimental animals for the carcinogenicity of quartz or cristobalite. The overall IARC evaluation was that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1). The IARC evaluation noted that carcinogenicity was not detected in all industrial circumstances or studies. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. For further information on the IARC evaluation, see IARC Monographs on the Evaluation of carcinogenic Risks to Humans, Volume 68, Silica, Some Silicates... (1997)

Page #3

Product Types: JE Tomes & Associates, Inc. Dry Packaged Portland Cement Based products

**Signs and Symptoms of Exposure:** Symptoms of excessive exposure to the dust include shortness of breath and reduced pulmonary function. Excessive exposure to skin and eyes especially when mixed with water can cause caustic burns as severe as third degree.

**Medical Conditions Generally Aggravated by Exposure:** Individuals with sensitive skin and with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation, should be precluded from exposure. Exposure to crystalline silica or the disease silicosis is associated with increased incidence of scleroderma, Tuberculosis and possibly increased incidence of kidney lesions.

**Emergency First Aid Procedures:** Irrigate (flood) eyes immediately and repeatedly with clean water. Wash exposed skin areas with soap and water. If irritation or inflammation occurs seek prompt attention. For gross inhalation, remove person immediately to fresh air, give artificial respiration as needed. Get prompt medical attention.

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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**Spills:** If spilled, use dustless methods (vacuum) and place into closeable container for disposal or use if not contaminated or wet. Use adequate ventilation.

**Waste Disposal Method:** The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under RCRA or CERCLA.