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## MATERIAL SAFETY DATA SHEET #100

**Product(s) Covered by this MSDS:**

Rapidry DM™ 50 - 75

**Date Issued:** November, 2000

**DOT Classification** Non-Hazardous

**HMIS:** Health: 1                      Fire: 0

Reactivity: 0                      Personal Protection: A

**Component Information and Hazards:**

Ingredients	CAS#; List	OSHA-PEL mg/m <sup>3</sup>	ACGIH-TLV mg/m <sup>3</sup>	% by Weight
Silica Sand	14808-60-7	10 (Respirable) 30 (Total Dust)	0.1 (Respirable)	20 - 45%
<p><b>Other Limits Recommended:</b> Consult current NIOSH Criteria Document for Crystalline Silica for more information.  <b>Warning:</b> Exposure to dry, airborne crystalline silica may have chronic health effects. Inhalation of silica dust may cause delayed lung injury/disease; take appropriate measures to avoid breathing dust.</p>				
Calcium Carbonate	1317-63-3	10	10	0 - 8%
Terpolymer/Binder	N/A	NE	NE	5.2 - 6.0%
Calcium Metasilicate	13983-17-0	10	10	0 - 6%
Portland Cement	65997-15-1	(nuisance dust)		40 - 45%

**Physical / Chemical Characteristics:**

Light gray, dry, granular powdered material; very slight odor.

Specific Gravity: 2.44 - 2.55.

**Fire Hazard Data:**

Flash Point: Not applicable.

Extinguishing Media: Use extinguishing material suitable for surrounding fire.

Fire Fighters: Wear positive pressure, self-contained breathing apparatus (SCBA) in enclosed area.

**Reactivity Data:**

Stability: Stable

Thermal Decomposition Products: CO, CO<sub>2</sub>

Hazardous Polymerization: Will not occur.

**Health Hazard Data:**

Routes of Entry: Wet, mixed mortar is a skin, eye, ingestion hazard. Dry, airborne dust is an inhalation hazard.

Carcinogenicity:

NTP? Yes (respirable crystalline silica).

IARC? Yes, level 2A grouping.

OSHA Regulated? Not as a carcinogen.

Effects of Overexposure:

Acute: Cement dust can irritate the eyes and upper respiratory system. Wet cement, especially as an ingredient in plastic (unhardened) mortar, can dry the skin and cause alkali burns.

Chronic: Cement 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. (Cement dust may contain traces of chromium.)

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Crystalline Silica: Prolonged inhalation may result in respiratory disease, including silicosis, pneumoconiosis, and pulmonary fibrosis.

Emergency and First Aid Procedures: For wet, mixed mortar, wash affected skin thoroughly with soap and water, and remove any affected wet clothing to avoid skin burns. In case of eye contact, flush eyes with running water for 15 minutes and get medical attention immediately. Permanent injury can occur if washing is delayed.

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**Control and Protective Measures:**

Protective Gloves: Waterproof gloves recommended.

Eye Protection: Safety or chemical splash goggles; ANSI Z87.1 or equivalent should be used for handling the dry powder or wet mortar..

Other Equipment: Long sleeves, apron as needed.

Ventilation: Use local exhaust or mechanical ventilation to meet PEL requirements when handling dry, unmixed powder. None required for wet, plastic mortar when used exterior. Provide adequate air movement and mechanical ventilation if used in an enclosed area.

Respiratory Protection: Use local exhaust or mechanical ventilation to meet PEL requirements when handling, dry unmixed powder. None required for wet plastic mortar when used exterior. Approved mechanical filter respirator should be used to remove solid airborne particles during spray, sawing, and sanding operations.

Work Practices: Use barrier creams, gloves, boots and clothing to protect skin from prolonged contact with wet cement in plastic (unhardened) mortar. Observe rules for good personal hygiene and work practices. Wash hands before smoking, eating, or using toilet facilities.

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**Precautions for Safe Handling & Use/Leak Procedures:**

Spills: Use dustless (water or vacuum) methods that do not disperse dust into air.

Waste Disposal: If uncontaminated, dispose of as inert, non-metallic mineral.

Storage: Protect from exposure to water and moisture; take normal precautions for bag breakage; prolonged storage of material may cause pack set in bags.

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This Material Safety Data Sheet (MSDS) has been developed for current compliance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

The information contained herein is based upon data considered accurate. Dryvit Systems, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees and users assume all risks associated with the use of this material.

*MSDS Rapidry DM™ 50 - 75 (Input 11/00) – MSDS #100*