

### 1. Chemical Product and Company Information

**Product Name:** Duraflow mMa Filler

**ChemMasters**  
300 Edwards Street  
Madison, Ohio 44057  
440-428-2105

In Case of Emergency Contact:  
CHEMTREC 800/424-9300

### 2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits			% by Wt
		OSHA(PEL/TWA)	ACGIH (TLV/TWA)	OTHER	
Silica, Quartz	14808-60-7	10 mg/m <sup>3</sup> (SiO <sub>2</sub> +2)	0.1 mg/m <sup>3</sup> (resp)	—	>95%

### 3. Hazards Identification

#### CAUTION

**May cause eye and respiratory tract irritation**

#### Potential Health Hazards - Acute

**Eye:** May cause irritation due to mechanical action.

**Inhalation:** Dust may cause respiratory tract irritation.

#### Potential Health Effects - Chronic

Prolonged excessive exposure to respirable silica may cause delayed chronic lung disease — silicosis. IARC Monographs concludes there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and limited evidence to humans. NTP has listed Respirable Crystalline Silica in the 6th Annual Report on Carcinogens.

<b>Carcinogenicity:</b>	<b>NTP</b>	<b>IARC Monographs</b>	<b>OSHA Regulated</b>
	YES	YES	YES

### 4. First Aid Measures

**Eye:** Immediately flush with plenty of water.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST**

### 5. Fire Fighting Measures

**Flash Point** (method used): Not applicable

**Flammable Limits** (% volume in air): **Lower** = Not applicable    **Upper** = Not applicable

**Auto Ignition Temperature:** Not applicable

**Extinguishing Media:** Not combustible. Use media appropriate for surrounding fire.

**Hazard Combustion Products:** Not applicable

**Fire Fighting Instructions:** Appropriate gear and precautions for surrounding fire.

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## 6. Accidental Release Measures

**Spill:** Sweep up and remove. Flush residue with plenty of water.

## 7. Handling and Storage

**Handling:** Avoid dispersing dust into the air. Avoid breathing dust. Always use good industrial hygiene practices.

**Storage:** Material should be kept dry until used.

## 8. Exposure Controls / Personal Protection

**Exposure Controls:** Mechanical exhaust should be used. A source of clean water should be available for flushing eyes.

**Personal Protection:** An approved dust respirator should be used when mixing this product.

## 9. Physical and Chemical Properties

**Appearance:** Brown Gritty sand

**Odor:** Odorless

**Boiling Point:** Not applicable

**Melting Point:** Not applicable

**Vapor Pressure (mm/Hg):** Not applicable

**Vapor Density (Air = 1):** Not applicable

**Solubility in Water:** Non soluble

**Specific Gravity (H<sub>2</sub>O = 1):** 2.65

**Evaporation Rate (n-Butyl Acetate = 1):** Not applicable

## 10. Stability and Reactivity

**Chemical Stability:** Stable

**Conditions to Avoid:** Contact with hydrofluoric acid

**Incompatibility (materials to avoid):** Hydrofluoric acid

**Hazardous Decomposition or By-products:** Not applicable

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

Non toxic

## 12. Ecological Information

Non hazardous

## 13. Disposal Considerations

Non regulated. Sand.

Dispose of in accordance with all federal, state and local regulations.

## 14. Transportation Information

**For U S National Shipments**

**Shipping Description:** Non regulated

**Emergency Response Guide Number:** Not applicable

**Hazard Class:** Not applicable

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## 15. Regulatory Information

**OSHA:** This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200)

**CERCLA Reportable Quantity:** Not applicable

**SARA Title III:**

**Section 311/312 hazard categories:** delayed health

**Section 313 reportable ingredients:**

Components	CAS #	Maximum %
Not applicable	—	—

## 16. Other Information

**MSDS Status:** Revised 03/10/08

Industrial Abbreviation Legend on page 4 of this MSDS.

### Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg / m <sup>3</sup>	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

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