

**RHEOMAC® SF 100**

Version 1.4

07/20/06

**1. COMPANY AND PRODUCT INFORMATION**

Company : BASF Operations, Inc.  
 23700 Chagrin Blvd  
 BEACHWOOD, OH 44122  
 USA  
 Phone : 216-839-7500  
 Emergency telephone : 1-800-424-9300  
 numbers for CHEMTREC 703-527-3887 (International)  
 Product name : RHEOMAC® SF 100  
 MSDS : 10124  
 Prepared by : Department of Environmental, Health, and Safety  
 216-839-7500

2. HAZARDOUS INGREDIENTS:	CASNO	TLV	EXPOSURE LIMITS*		CONTENT
			STEL	PEL	
Silicon Fume	69012-64-2	2 mg/m3	None	6 mg/m3	> 99%
Silica, Crystalline Quartz	14808-60-7	**	None	***	< 1%

(\*) Refer to Section 7 for available LD/LC(50) Health Hazard Data.

(\*\*) 0.1 mg/m3 respirable quartz

(\*\*\*) 10 mg/m3 divided by %SiO<sub>2</sub>+2 (respirable quartz)**3. PHYSICAL DATA:**

Boiling Point (°C):	N/Ap	Water/Oil Distribution	
Percent VOC (w/w):	0	Coefficient:	N/Av
Freezing Point (°C):	N/Ap	Solubility in Water:	Slight
Vapor Pressure mmHg @20(°C):	N/Av	Bulk Density:	30-40 lb/ft3
Vapor Density:	> Air	pH:	N/Ap
Odor Threshold:	N/Av	Evaporation Rate:	N/Av
Appearance: Gray granular powder		Odor: Odorless	
N/Av = Not Available	N/Ap = Not Applicable		ca. = Approximate

**4. FIRE AND EXPLOSION HAZARD DATA:** HMIS Hazard Rating No. 0 (Minimal)Flash Point: Non-flammableMethod: Not ApplicableAuto-Ignition Temp.: Non-flammableLimits of Flammability: LEL: Not Applicable

UEL: Not Applicable

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4. **FIRE AND EXPLOSION HAZARD DATA:** (cont'd)

Extinguishing Media: Use extinguishing media suitable for surrounding fires.

Special Fire & Unusual Hazards: None.

5. **REACTIVITY DATA:** HMIS Hazard Rating No. 0 (Minimal)

Stability: Stable. Not sensitive to mechanical impact.

Incompatibility: Hydrofluoric acid. (Silicon tetrafluoride, a toxic substance is formed.)

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

6. **ENVIRONMENTAL AND DISPOSAL INFORMATION:**

Action to Take for Spills/Leaks: No special procedures are required for clean-up of spills or leaks of this material. A high efficiency vacuum cleaner is recommended for cleanup. Return for reuse or discard.

Waste Disposal Method: Handle disposal of waste material in a manner which complies with local, state, province and federal regulation.

7. **HEALTH HAZARD DATA:** HMIS Hazard Rating No. 1 (Slight)

PRIMARY ROUTE OF ENTRY: Inhalation, Eye, Dermal

**Effects Of Overexposure**

Inhalation: Inhalation of dust may cause coughing and labored breathing and possible temporary, but reversible, irritation on mucous membranes and respiratory tract.

Eyes: Abrasive action may cause damage to the outer surface of the eye.

Skin Contact: Abrasive action may cause slight to moderate irritation. Prolonged or repeated exposure may cause drying of the skin.

Skin Absorption: Does not absorb through skin.

Ingestion: Not likely source of entry due to physical nature of material.

**LD(50) Oral** CASRN 69012-42-2 3160 mg/kg Rat.

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7. **HEALTH HAZARD DATA:** (cont'd)

**Effects Of Overexposure** (cont'd)

Chronic Materials are not known mutagenic, teratogenic, or reproductive health hazards.

Repeated inhalation of respiratory silica in excess of the TLV over extended periods can result in irreversible fibrosis of the lungs (silicosis). An IARC evaluation concluded that there is sufficient evidence (Group I) that crystalline silica may be carcinogenic to humans.

8. **FIRST AID:**

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. Apply moisturizing cream or lotion to avoid skin dryness. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Do **NOT** induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do **NOT** give anything by mouth to an unconscious person.

9. **SPECIAL PROTECTION INFORMATION:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of airborne dust concentrations.

Personal Protection Equipment: Use safety glasses with side shields, chemical resistant gloves, and protective clothing. Wear NIOSH/MSHA approved respiratory protection whenever airborne concentrations exceed applicable TLV or TWA limits.

Confined spaces, rooms, or tanks are areas where concern for TLV's is especially important. Reference OSHA Regulation CFR 29 1910.134 for recommended respiratory protection.

10. **ADDITIONAL INFORMATION:**

Average Shelf Life: Refer to Product Data Sheet.

Special Instructions: Store in cool, dry place.

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10. **ADDITIONAL INFORMATION:** (cont'd)**REGULATORY INFORMATION:**

<u>Title III Section 302:</u>	No reportable chemicals.
<u>Title III Section 311/312 Hazard Category:</u>	Acute, Chronic
<u>Title III Section 313:</u>	None above de minimis.
<u>State:</u> California	This product contains a chemical known to the state of California to cause cancer.
Silica, Crystalline Quartz	14808-60-7 < 1.0 %
<u>WHMIS Classification:</u>	D2A, D2B
<u>Canadian Domestic Substance List:</u>	All chemicals are listed.

**TRANSPORTATION**Emergency Response Guide Page No.: NOT REGULATEDDOT Reportable Quantity: NOT REGULATEDProper Shipping Name: NOT REGULATEDMarine Pollutant: NL

P = Moderate

PP = Severe

WS = Water Sheen

NL = Not Listed

ND = Not Determined

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