

# MATERIAL SAFETY DATA SHEET



2100 N. Wilkinson Way  
Perrysburg, Ohio 43551

## I. Product Information

Product Name: **GR-100F**  
Synonyms: Glass Resin Flake  
Chemical Family: Polymethylphenylsiloxane  
Chemical Formula:  $(\text{CH}_3\text{SiO}_{1.5})_x (\text{C}_6\text{H}_5\text{SiO}_{1.5})_y$   
CAS Number: 67763-03-5  
DOT Shipping I.D. Number: Not Applicable  
DOT Shipping Name: Not Restricted  
DOT Hazard Class: Not Applicable  
EPA Hazardous Waste ID Number: Not Restricted

## II. Chemical Components

### Name & Percentage

Poly(Methylphenyl)Siloxane	98 - 99%
Ethanol (Entrapped)	1 - 2%

Occupational Exposure Limits: Ethanol 1,000 ppm TWA, OSHA and ACGIH.

Ethanol can be released in small amounts through heating.

This product is a material classified by the OSHA Hazard Communication Standard as non-hazardous. Nuisance dust standards of 5 mg/M<sup>3</sup> (respirable) and 15 mg/M<sup>3</sup> (total) are applicable.

## III. Physical Properties

Boiling Point: Decomposes Above 400°C  
Melting Point: Softens or Viscous Above 60°C  
Vapor Pressure (mmHg): Not Applicable  
Solubility in Water: Insoluble  
Vapor Density (Air = 1): Not Applicable  
Specific Gravity: > 1.0  
Percent Volatile by Volume: 1 - 3%  
pH: Neutral  
Appearance & Odor: Translucent Flake, Odorless

#### IV. Reactivity Data

Stability: Stable

Incompatibilities: Strong oxidizing agents, concentrated mineral acids, hydrofluoric acid.

Hazardous Decomposition Products: Ethanol, oxides of carbon,  
silicon dioxide.

Hazardous Polymerization: Will not occur.

Conditions To Avoid: Heating above decomposition temperature. Contact or storage with incompatible materials.

#### V. Fire And Explosion Data

This product will not burn or support combustion.

#### VI. Health Hazard Information

Primary Routes of Exposure: Contact, inhalation.

Signs and Symptoms of Overexposure: Overexposure is only possible if the material is ground into finely divided particles and suspended in air. Under these conditions, upper respiratory congestion, dyspnea, chest pain, cough and decreased vital capacity may result.

Medical Conditions Aggravated by Exposure: Prolonged or repeated exposure may aggravate pre-existing respiratory or cardiovascular conditions. Repeated contact may cause skin dryness or dermatitis.

Listing as a Carcinogen: This material is not listed as a carcinogen by the NTP, IARC, or OSHA.

#### VII. Emergency First Aid Procedures

Inhalation: Remove to fresh air. Seek medical attention.

Ingestion: Consult physician. Gastric lavage may be necessary.

Eye Contact: Immediately flush eyes for 15 minutes with large amounts of water, occasionally lifting upper and lower lids. If irritation persists, seek medical attention.

Skin Contact: Wash the affected area with soap and water. Seek medical attention if irritation persists.

#### VIII. Control Measures

**Engineering Controls:** General ventilation recommended under normal conditions of use. If active dust and/or fume generation occurs, local ventilation is recommended.

**Work/Hygiene Practices:** Avoid inhalation of dusts and/or fumes. If necessary, wear NIOSH/MSHA approved respiratory protection for dusts, mists or fumes.

**Personal Protective Equipment:**

Respiratory Protection: If necessary, wear NIOSH/MSHA approved respiratory protection for dusts, mists or fumes.

Eye/Face Protection: Recommended.

Skin Protection: Recommended to prevent skin irritation.

#### IX. Storage and Disposal Information

**Handling and Storage Precautions:** Store in a cool, dry location.

**Spill or Leak Procedures:** Clean up spilled material into a closed container using a high efficiency vacuum. Avoid dust generation.

**Disposal Methods:** Dispose of in accordance with local, state, or federal regulations.

#### X. Manufacturer/Supplier Information

Prepared by: T. L. Richardson

Date: July 1, 1998

Revised: June 16, 2006

24-Hour Emergency Telephone Number: (800) 424-9300

General Information Number: (419) 873-2120

Manufacturer's Contact: W.J. Blessing

CHEMTREC: (U.S.) (800) 424-9300

(Int'l) (703) 527-3887