

# MATERIAL SAFETY DATA SHEET



2100 N. Wilkinson Way  
Perrysburg, OH 43551

## I. Product Information

Product Name: **GR-650F**

Synonyms: Glass Resin Flake

Chemical Family: Polymethylsiloxane

Chemical Formula:  $(\text{CH}_3\text{SiO}_{1.5})_x$

CAS Number: 67763-03-05

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

Polymethylsiloxane	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: Not Applicable

pH: Neutral

Appearance & Odor: Translucent Flake, Odorless

#### IV. Reactivity Data

Stability: Stable

Incompatible Materials: Strong oxidizing agents,  
concentrated

mineral acids, hydrofluoric acids.

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 this material is ground into finely  
divided powder 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: Chronic  
overexposure may aggravate pre-existing respiratory  
or cardiovascular system 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 and absorption.

#### 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. 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

