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Material Safety Data Sheet
S2000
S4000

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Revision Date
2/01/08

Section 1 – Product & Company Identification

Manufacturer: Cuyahoga Molded Plastics CHEMTREC
1265 Babbitt Road Emergency Phone: (800) 424-9300
Cleveland, Ohio 44132 International Phone: 1-703-527-3887
USA

Product Class: Silicone Molding Compounds Product Code: N/A
C.A.S. Number: Mixture

Trade Name: S2000 and S4000 series

Section 2 - Composition and Information on Ingredients

<i>CAS #</i>	<i>Ingredients</i>	<i>Weight %</i>	<i>ACGIH/TLV</i>	<i>OSHA PEL</i>
	Silicone Resin	10-40%	NE	NE
14464-46-1	Cristobalite	<1%	0.05% mg/m ³ Respirable	0.05 mg/m ³
	Trade secret	0-85%	10 mg/m ³ inhalable TWA 3 mg/m ³ respirable TWA	15 mg/m ³ total dust TWA 5 mg/m ³ respirable TWA

The exact components of this mixture and their percentages are being protected by Trade Secret. The components which may present a health and safety hazard, as well as those which require reporting under SARA Section 313 are outlined in separate sections below.

NE: Not Established
mppfca = million of part per cubic foot of air

Section 3 - Hazards Identification

Health Hazards

Possible irritation to eyes, skin, nose, throat & lungs.
Potential chronic exposure effects – see Section 11.

Section 4 – First Aid Measures

First Aid - Inhalation

For overexposure to airborne vapors and fumes, move the exposed person to fresh air. If breathing is difficult or has stopped, administer oxygen or artificial respiration as needed. Seek medical attention immediately.

First Aid - Skin

If skin irritation occurs through contact with product, promptly flush the affected area with soap and water. If this chemical penetrates clothing, promptly remove the clothing and flush the skin with water. Wash clothing before reuse. If irritation persists after washing, get medical attention.

First Aid - Eyes

If this product comes in contact with eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper eye lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical. Wear protective eye wear.

First Aid - Ingestion

If this chemical is swallowed, get medical attention immediately. Do not induce vomiting.

Section 5 - Firefighting Measures

Flashpoint – Unknown

LEL – Unknown

UEL – Unknown

Extinguishing Media

Use water spray, dry chemical, CO₂, or foam extinguishing media. Wear self-contained, positive pressure breathing apparatus. Cool tanks and drums with water.

Section 6 - Accidental Release Measures

Steps to be taken in case material is released or spilled:

Remove all ignition sources and open flames. Contain spill immediately. Do not allow spill to enter open sewers or waterway. Increase ventilation in area of release. All equipment should be grounded. Wear appropriate personal protective equipment. Mix with inert material such as vermiculite to facilitate clean up. Containerize waste.

Section 7 - Handling and Storage

Precautions to be taken in handling and storing:

Do not transfer to unmarked containers.

Store in closed containers in well-protected area away from moisture, heat, sparks, flames or oxidizing materials. Store at temperatures less than 90° F.

Equipment should be grounded to prevent dust explosions.

Have properly maintained fire extinguishers readily available.

Avoid conditions that may produce organic vapors, fumes or airborne particulate.

Handle in well ventilated work space.

Section 8 - Exposure Controls and Personal Protection

Ventilation

Maintain good local ventilation during normal use. Respiratory protection may be needed for non-routine or emergency situations.

Eye Protection

Use protective eye wear.

Skin Protection

To prevent excessive skin contact, wear long pants, long sleeve shirt, and protective gloves.

Respiratory Protection

Respiratory protection is not normally necessary when general ventilation is effective in dispersion of particulate matter. If certain operations or persons require respirator protection, utilize NIOSH/MSHA-approved respirator fitted with appropriate cartridges.

Section 8 - Exposure Controls and Personal Protection (Continued)

Work/Hygienic Practices

As with any product, proper hygiene practices during work hours is recommended when working with this product. Do not eat, drink, or smoke while handling.

Section 9 – Physical and Chemical Properties

Appearance:	Molding Material, Granular
Color	Black or Grey
Odor:	Odorless
pH:	Not Determined
Boiling Point:	Not Determined
Solubility:	Not Determined
Volatiles (by volume):	Not Determined
Volatiles (by weight):	Not Determined
V.O.C. Content:	Not Determined
Evaporation Rate:	Not Determined
Density:	16.7 – 18.3

Section 10 – Stability and Reactivity

Chemical Stability under Normal Conditions

Stable

Conditions to Avoid (Stability & Polymerization)

High Temperatures.

Incompatible Materials

Strong acids, peroxides, and other strong oxidizing agents.

Hazardous Decomposition Products

Fire can generate toxic fumes of CO, CO₂, water vapor, nitric acid, ammonia, silicon dioxide, calcium oxides and nitrogen oxides.

Section 11 – Toxicological Information

Exposure to fibrous glass can cause mechanical irritation of the mouth, nose and throat. In June, 1987, the International Agency for Research on Cancer (IARC) characterized fiberglass continuous filament as not classifiable with respect to human carcinogenicity. The evidence from human and animal studies did not present fiberglass continuous filament as a possible, probable, or confirmed cancer causing material.

Exposure to fused silica can cause silicosis and pneumoconiosis. In 1997, IARC characterized fused silica as not classifiable with respect to human carcinogenicity. The evidence from human and animal studies did not present fused silica as a possible, probable, or confirmed cancer causing material. The National Institute for Occupational Safety and Health (NIOSH) has listed fused silica as a potential occupational carcinogen.

Section 12 - Ecological Information

Environmental Releases

Do not allow spills to enter sewers or waterways. Comply with all applicable local, state, and federal regulations.

Section 13 - Disposal Considerations

Waste Disposal Methods

Comply with all applicable local, state, and federal disposal methods.

Section 14 - Transport Information

Proper Shipping Name

Silicone Molding Compound

Comply with all applicable local, state, and federal transportation regulations.

Section 15 – Regulatory Information

SARA Title III - Hazard Classes Acute Health Hazard
Chronic Health Hazard

SARA Title III – Section 313 Supplier Notification

This product contains the following toxic chemicals at levels subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR 372:

None

This information must be included on all MSDS that are copied and distributed for this material.

Section 16 - Other Information

Disclaimer of Expressed and Implied Warranties

Although reasonable care has been taken in preparation of this document, Cuyahoga Molded Plastics extends no warranties and makes no representations as to the accuracy or completeness of the information contained herein. Cuyahoga Molded Plastics assumes no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).