

Issue Date: 17/10/2000
Last Revision Date: 24/07/2018
Superseded Date: 08/09/2017
Version Number: 05

SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

- 1.1 Product Name:** C6-165 ELASTOMER, KIT
- 1.2**
- 1.3 Chemical Classification:** Silicone elastomer
- 1.4 Recommended Product Usage and Limited Use:** Intermediate for silicone rubber manufacture.
Silicone rubber fabrication
Medical applications, Implant (< 29 days)

2. HAZARD IDENTIFICATION

- 2.1 Hazard Classification:** Not hazardous.
- 2.2 Label Elements Including Precautionary Statements**
- Symbol:** None.
- Signal Word:** None.
- Hazard Risk Statement:** Not hazardous.
- Precautionary Statement:** Not applicable.
- 2.3 Other Hazard:** None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Chemical characterization:** Mixture
- 3.2 Hazardous Ingredients**
- | <u>Chemical Name</u> | <u>CAS No.</u> |
|------------------------------|----------------|
| Octamethylcyclotetrasiloxane | 556-67-2 |

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4. FIRST AID MEASURES		
4.1	First Aid Measures	
	Eyes:	Immediately flush with water.
	Skin:	No first aid should be needed.
	Inhalation:	No first aid should be needed.
	Oral:	Get medical attention.
	Comments:	Treat symptomatically.
4.2	Important Symptoms and Hazard Effects:	No significant adverse effects from normal use.
4.3	Personal Protection for First Aid or Rescue Personnel	
	Respiratory Protection:	No respiratory protection should be needed.
	Eye Protection:	Use proper protection - safety glasses as a minimum.
	Skin Protection:	Washing at mealtime and end of shift is adequate.
4.4	Note to physicians:	Treat symptomatically. For further information, the medical practitioner should contact Dow Corning (Shanghai) Management Co., Ltd.

5. FIRE-FIGHTING MEASURES		
5.1	Suitable Extinguishing Media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
5.2	Unsuitable Extinguishing Media:	None established.
5.3	Specific Hazards:	None.
5.4	Special Fire Fighting Procedures:	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
5.5	Special protective equipment for the Fire Fighters:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

6. ACCIDENTAL RELEASE MEASURES		
6.1	Personal Precautions:	Do not take internally.
6.2	Environmental Precautions:	Do not allow large quantities to enter drains or surface waters.
6.3	Methods for Cleaning up:	Observe all personal protective equipment recommendations described in this SDS. Collect and contain for salvage or disposal. Laws and regulations may apply to releases

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and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

- | | |
|--|---|
| 7.1 Handling Precautions: | Use with adequate ventilation. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. |
| 7.2 Storage Conditions: | Use reasonable care and store away from oxidizing materials. |
| 7.3 Unsuitable Packaging Materials: | None established. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Industrial Hygiene Standards:

<u>Ingredients</u>	<u>CAS No.</u>	<u>Exposure Limits</u>
Octamethylcyclotetrasiloxane	556-67-2	Dow Corning guide: TWA 10 ppm.

8.2 Engineering Controls

Local Ventilation:	None should be needed.
General Ventilation:	Recommended.

8.3 Personal Protective Equipment for Routine Handling

Respiratory protection:	No respiratory protection should be needed.
Suitable Respirator:	None should be needed.
Eye protection:	Use proper protection - safety glasses as a minimum.
Hand protection:	No special protection needed.
Skin protection:	Washing at mealtime and end of shift is adequate.
Hygiene Measures:	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

8.4 Personal Protective Equipment for Spills

Respiratory protection:	No respiratory protection should be needed.
Eye protection:	Use proper protection - safety glasses as a minimum.
Skin protection:	Washing at mealtime and end of shift is adequate.
Precautionary Measures:	Do not take internally. Use reasonable care.
Comments:	When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the occupational exposure Limit for formaldehyde.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Physical Form:	Rubber-Crepe
9.2	Color:	Not available
9.3	Odor:	Not available
9.4	pH:	Not determined.
9.5	Melting Point:	Not determined.
9.6	Boiling point/range:	Not determined.
9.7	Flash Point:	Not applicable.
9.8	Explosive Limit:	Not determined.
9.9	Vapor Pressure @ 25°C:	Not determined.
9.10	Vapour Density (air=1):	Not determined.
9.11	Specific Gravity:	1.2 g/cm3
9.12	Water Solubility:	Not determined.
9.13	Partition Coefficient (n-Octanol/Water):	Not determined.
9.14	Autoignition temperature:	Not determined.
9.15	Decomposition Temperature :	Not determined.
9.16	Odor Threshold:	Not determined.
9.17	Evaporation Rate:	Not determined.
9.18	Flammability (Solid, Gas):	Not applicable.

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

10.1	Stability:	Stable.
10.2	Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
10.3	Conditions to Avoid:	None.
10.4	Materials to Avoid:	Can react with strong oxidising agents.
10.5	Hazardous Decomposition Products:	Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Silicon dioxide. Hydrogen.

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11. TOXICOLOGICAL INFORMATION

11.1 Route of Exposure:	Skin contact and accidental ingestion.			
11.2 Signs and Symptoms of Overexposure:	No significant adverse effects from normal use.			
11.3 Acute Toxicity:				
<u>Chemical Name</u>	<u>CAS No.</u>	<u>LD50 (Oral)</u>	<u>LD50 (Dermal)</u>	<u>LC50 (Inhalation)</u>
Octamethylcyclotetrasiloxane	556-67-2	> 5,000 mg/kg (Rat)	> 4,640 mg/kg (Rabbit)	36 mg/l (Rat; 4hr vapor)
Eyes:	No significant irritation expected from a single exposure.			
Skin:	No significant irritation expected from a single short-term exposure.			
Ingestion:	Low ingestion hazard in normal use.			
Inhalation:	No significant effects expected from a single short-term exposure.			
11.4 Chronic Toxicity				
Skin:	No known applicable information.			
Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.			
Inhalation:	No known applicable information.			
11.5 Other Health Hazard Information:	No known applicable information.			

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

12. ECOLOGICAL INFORMATION

12.1 Aquatic and Terrestrial Ecotoxicity		
Ecotoxicity Effects:		
Acute:	No adverse effects on aquatic organisms are predicted.	
Chronic:	No adverse effects on aquatic organisms are predicted.	
Fate and Effects in Waste Water Treatment Plants:	No adverse effects on bacteria are predicted.	
12.2 Persistence and Degradability		
Water:	Solid material, insoluble in water.	
12.3 Bioaccumulative Potential		
Bioaccumulation:	No bioaccumulation potential.	
12.4 Mobility in Soil:	This product is a solid and does not contain significant concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.	

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12.5 Additional Environmental Information: No specific information is available.

13. DISPOSAL CONSIDERATIONS

- 13.1 Product Disposal:** Dispose of in accordance with local regulations.
13.2 Packaging Disposal: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

- 14.1 Road and Rail Transport**
 Not applicable.
14.2 Sea Transport (IMDG)
 Not subject to IMDG code.
14.3 Air Transport (IATA)
 Not subject to IATA regulations.
14.4 Special Requirements and Additional Information : -

15. REGULATORY INFORMATION

- 15.1 Applicable Laws:** Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace
 General rule for classification and hazard communication of chemicals [GB 13690-2009]
15.2 Chemical Inventories
EINECS: All ingredients listed or exempt.
TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
AICS: All ingredients listed or exempt.
IECSC: All ingredients listed or exempt.
ENCS/ISHL: All components are listed on ENCS/ISHL or its exempt rule.
KECL: All ingredients listed, exempt or notified.
PICCS: All ingredients listed or exempt.
DSL: All chemical substances in this material are included on or exempted from the DSL.
HSNO: All ingredients listed or exempt.

16. OTHER INFORMATION

Reason for revision: To bring to date.

END OF SDS