

td { text-align: left; }

KJLC Code: **DC705BB**

ACTIO MSDS ID: 18497

View Section :	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>
SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION																
															01000152	

Product Name: Dow Corning 705
Diffusion Pump Fluid

**Manufacturer
MSDS.:** 01000152

**Manufacturer
Name:** Dow Corning Corporation

Address: South Saginaw Road
Midland, Michigan 48686

24 Hour Emergency
Telephone: (989)
496-5900

CHEMTREC Numbers:**For emergencies in the US, call CHEMTREC: 800-424-9300**

Customer Service Phone: (989) 496-6000

Product Disposal Phone: (989) 496-6315

Revision Date: 2009/05/26
Version: 1.4

Trade Names: DOW CORNING 705(R) DIFFUSION PUMP FLUID


Generic Description: Silicone compound

Physical Form: Liquid

Color: Clear white to yellow


Odor: Odorless

Note: NFPA = National Fire Protection Association

[To Top of page](#) 

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS	01000152
--	----------

<i>Ingredient Name</i>	<i>CAS#</i>	<i>Ingredient Percent</i>
None present.		
Hazardous Paragraph: This is not a hazardous material as defined in the OSHA Hazard Communication Standard. EC Index Number: 1		

[To Top of page](#) 


SECTION 3 : HAZARDS IDENTIFICATION

01000152

Applies to All Ingredients :**Potential Health Effects:**


Eye Contact:	Acute: Direct contact may cause temporary redness and discomfort.
Skin Contact:	Acute: No significant irritation expected from a single short-term exposure.
Inhalation:	Acute: No significant effects expected from a single short-term exposure.
Oral:	Acute: Low ingestion hazard in normal use.
Chronic Skin Contact:	No known applicable information.
Chronic Inhalation:	No known applicable information.
Chronic Oral:	No known applicable information.
Signs/Symptoms:	No known applicable information.
Aggravation of Pre-Existing Conditions:	No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

[To Top of page](#) 
SECTION 4 : FIRST AID MEASURES


01000152

Eye Contact:	Immediately flush with water.
Skin Contact:	No first aid should be needed.
Inhalation:	No first aid should be needed.
Oral:	No first aid should be needed.
Note to Physicians:	Treat according to person's condition and specifics of exposure.

[To Top of page](#) 
SECTION 5 : FIRE FIGHTING MEASURES


01000152

Fire:	Flammability Limits in Air: Not determined.
Flash Point:	> 214 Deg F/> 101.1 Deg C
Flash Point Method:	Closed Cup
Auto Ignition Temperature:	Not determined.
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.
Fire Fighting Instructions:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual Fire Hazards:	None.

[To Top of page](#) 
SECTION 6 : ACCIDENTAL RELEASE MEASURES


01000152

Spill Cleanup Measures:	<p>Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.</p> <p>Note: See section 8 for Personal Protective Equipment for Spills. Call (989) 496-5900, if additional information is required.</p>
--------------------------------	--

[To Top of page](#) 
SECTION 7 : HANDLING and STORAGE

01000152


Handling:	Use with adequate ventilation. Traces of benzene (carcinogen) may form if heated in air above 300 deg F (149 deg C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA benzene regulation for detailed information on safe handling requirements. Avoid eye contact.
Storage:	Use reasonable care and store away from oxidizing materials.

[To Top of page](#) 

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

01000152


Ventilation System:	General Ventilation: Recommended.
Local Exhaust:	None should be needed.
Skin Protection Description:	Washing at mealtime and end of shift is adequate. For Spills: Washing at mealtime and end of shift is adequate.
Hand Protection Description:	Suitable Gloves: Handle in accordance with good industrial hygiene and safety practices.
Eye/Face Protection:	Use proper protection – safety glasses as a minimum. For Spills: Use proper protection – safety glasses as a minimum.
Respiratory Protection:	Inhalation: No respiratory protection should be needed. Suitable Respirator: None should be needed. For Spills: Inhalation/Suitable Respirator: No respiratory protection should be needed.
Other Protective:	For Spills: Precautionary Measures: Avoid eye contact. Use reasonable care.
Exposure Limits:	Component Exposure Limits: There are no components with workplace exposure limits.
Comments:	Traces of benzene (carcinogen) may form if heated in air above 300 deg F (149 deg C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA benzene regulation for detailed information on safe handling requirements. Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

[To Top of page](#) 

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

01000152

Physical State/Appearance:	Form: Liquid.
Color:	Clear white to yellow.
Odor:	Odorless.
pH:	Not determined.
Vapor Pressure:	@ 25 Deg C: Not determined.
Vapor Density:	Not determined.
Flash Point:	> 214 Deg F/> 101.1 Deg C
Flash Point Method:	Closed Cup
Auto Ignition Temperature:	Not determined.
Boiling Point:	> = -273.00 deg C
Freezing Point:	Not determined.
Melting Point:	Not determined.
Solubility:	In Water: Not determined.
Specific Gravity:	@ 25 Deg C: 1.097
Percent Volatile:	Not determined.
Viscosity:	180 cSt Flammability Limits in Air: Not determined.
	Note: The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

[To Top of page](#) 

SECTION 10 : STABILITY and REACTIVITY

01000152

Chemical Stability:	Stable.
Conditions to Avoid:	None.
Incompatibilities with Other Materials:	Materials to Avoid: Oxidizing material can cause a reaction.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

[To Top of page](#)**SECTION 11 : TOXICOLOGICAL INFORMATION**

01000152

Toxicological Paragraph:	Special Hazard Information on Components: No known applicable information.
--------------------------	---

[To Top of page](#)**SECTION 12 : ECOLOGICAL INFORMATION**

01000152

Ecotoxicity:	<p>Ecotoxicity Classification Criteria: Hazard Parameters (LC50 or EC50): Acute Aquatic Toxicity (mg/L): High: ≤ 1 Medium: > 1 and ≤ 100 Low: > 100</p> <p>Hazard Parameters (LC50 or EC50): Acute Terrestrial Toxicity: High: ≤ 100 Medium: > 100 and ≤ 2000 Low: > 2000</p> <p>This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.</p> <p>This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.</p>
Environmental Fate:	<p>Distribution: Complete information is not yet available.</p> <p>Environmental Effects: Complete information is not yet available.</p>
Effect of Material on Plants/Animals:	<p>Fate and Effects in Waste Water Treatment Plants: Complete information is not yet available.</p>

[To Top of page](#)**SECTION 13 : DISPOSAL CONSIDERATIONS**

01000152

RCRA Hazard Class:	(40 CFR 261): When a decision is made to discard this material, as received, is it classified as a hazardous waste: Yes
TCLP:	D018
State and Local:	<p>State or local laws may impose additional regulatory requirements regarding disposal.</p> <p>Call (989) 496-6315, if additional information is required.</p>

[To Top of page](#)**SECTION 14 : TRANSPORT INFORMATION**

01000152

DOT Shipping Information:	DOT Road Shipment Information (49 CFR 172.101): Not subject to DOT.
IATA:	Air Shipment (IATA): Not subject to IATA regulations.
Maritime Transportation CGVS/GGVE/IMDG:	Ocean Shipment: Not subject to IMDG code.

**SECTION 15 : REGULATORY INFORMATION**

01000152

Applies to all ingredients:

TSCA 8(b): Inventory Status:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
SARA:	EPA SARA Title III Chemical Listings:
Section 302:	Section 302 Extremely Hazardous Substances (40 CFR 355): None.
Section 304:	Section 304 CERCLA Hazardous Substances (40 CFR 302): None.
Section 312 Hazard Category:	Section 311/312 Hazard Class (40 CFR 370):
Acute:	No
Chronic:	No
Fire:	No
Reactive:	No
Pressure:	No
Section 313 Toxic Release Form:	Section 313 Toxic Chemicals (40 CFR 372): None present or none present in regulated quantities. Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.
OSHA 29 CFR 1200:	Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
State:	Supplemental State Compliance Information: California: Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. None Known. Massachusetts: No ingredient regulated by MA Right-to-Know Law present. New Jersey: Component: Trimethylpentaphenyl trisiloxane CAS Number: 3390-61-2 Wt %: > 60.0 Component: Phenyl methyl siloxane CAS Number: 38421-40-8 Wt %: 3.0 – 7.0 Component: Tetraphenyldimethyldisiloxane CAS Number: 807-28-3 Wt %: < = 1.0 Pennsylvania: Component: Trimethylpentaphenyl trisiloxane CAS Number: 3390-61-2 Wt %: > 60.0 Component: Phenyl methyl siloxane CAS Number: 38421-40-8 Wt %: 3.0 – 7.0

**SECTION 16 : ADDITIONAL INFORMATION**

01000152

NFPA:	
Health:	0
Fire Hazard:	1
Reactivity:	0
MSDS Revision Date:	2009/05/26 Version: 1.4
MSDS Author:	Prepared by: Dow Corning Corporation
Disclaimer:	

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Note: NFPA = National Fire Protection Association

(R) indicates Registered Trademark

ADDENDUM : Other Client Information

Notes:

, DC705BB, DC705CA, DC705CP, DC705DD,

Copyright© 1996–2009 Actio Corporation. All Rights Reserved.

[To Top of page](#)

