

DOW CORNING CORPORATION  
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 705 DIFFUSION PUMP FLUID  
EMERGENCY TELEPHONE NO. (517) 496-5900

SECTION I - GENERAL INFORMATION

MANUFACTURERS NAME: DOW CORNING CORPORATION PRODUCT INFORMATION# 517-496-6000  
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48686

PROPER SHIPPING NAME (49CFR 172.101): NONE  
D.O.T. HAZARD NAME(49CFR 172.101): NONE  
D.O.T. ID NO (49CFR 172.101): NONE  
D.O.T. HAZARD CLASS (49CFR 172.101): NONE  
RCRA HAZARD CLASS (40CFR 261) (IF DISCARDED): NONE  
E.P.A. PRIORITY POLLUTANTS(40CFR 122.53): NONE  
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION - 704  
HEALTH (NFPA): 1 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0  
CAS NO: 3390-61-2 DOW CORNING WARNING CODE: NOT USED  
GENERIC DESCRIPTION: SILICONE

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200  
(CARCIOGENS DEFINED WITH AN ASTERISK \*)

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NONE PRESENT. THIS IS NOT A HAZARDOUS PRODUCT AS DEFINED IN THE OSHA HAZARD  
COMMUNICATION STANDARD.  
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SECTION III - EFFECTS OF OVEREXPOSURE

EYES: DIRECT CONTACT MAY CAUSE TEMPORARY DISCOMFORT WITH MILD REDNESS AND  
DRYNESS SIMILAR TO WINDBURN.

SKIN: A SINGLE, RELATIVELY SHORT EXPOSURE CAUSES NO KNOWN ADVERSE AFFECT.  
SEVERAL REPEATED PROLONGED EXPOSURES (24 TO 48 HOURS) MAY IRRITATE.

INHALATION: IRRITATES RESIRATORY PASSAGES AND EYES VERY SLIGHTLY.

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC.,  
SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.  
COMMENTS:NO KNOWN ADVERSE CHRONIC HEALTH EFFECTS, BUT UNNECESSARY EXPOSURE TO  
ANY CHEMICAL SHOULD BE AVOIDED.

THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN  
PEOPLE. WE DO NOT KNOW OF ANY MEDICAL CONDITIONS THAT MIGHT BE AGGRAVATED BY

EXPOSURE TO THIS PRODUCT.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER.  
SKIN: WIPE OFF AND FLUSH WITH WATER.  
INHALATION: NO FIRST AID SHOULD BE NEEDED.  
ORAL: NO FIRST AID SHOULD BE NEEDED.  
COMMENTS: N.D. - NOT DETERMINED

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): OPEN CUP ABOVE 250 DEG F/121DEG C  
AUTOIGNITION: NOT DETERMINED  
FLAMMABILITY LIMITS IN AIR : LOWER:N.D. UPPER: N.D.  
EXTINGUISHING MEDIA:WATER FOG X C02 X DRY CHEMICAL X FOAM X OTHER  
SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED BEATHING APPARATUS AND  
PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN TO DOW CORNING.  
COMMENTS: N.D. - NOT DETERMINED.

SECTION VI - PHYSICAL DATA

BOILING POINT (@ 760 MM HG): NOT APPLICABLE  
SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.1  
MELTING POINT: NOT APPLICABLE  
VAPOR PRESSURE (AT 77 DEG F/25 DEG C): LESS THAN 5 MM.  
VAPOR DENSITY (AAR = 1 AT 77 DEG F/25 DEG C): NOT APPLICABLE  
PERCENT VOLATILE BY WEIGHT (%): LESS THAN 5  
EVAPORATION RATE (ETHER = 1): NOT APPLICABLE  
SOLUBILITY IN WATER(%): LESS THAN 0.1  
ODOR, APPEARANCE, COLOR: VERY LITTLE ODOR, LIQUID, SOME COLOR.  
NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT  
SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS

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SECTION VII - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY(MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION.  
CONDITIONS TO AVOID: NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES  
OF INCOMPLETELY BURNED CARBON PRODUCTS. ALSO SEE SECTION X.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITONS TO AVOID: NOT APPLICABLE  
COMMENTS: NONE

SECTION VIII - SPILL, LEAK MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: USE ABSORBENT  
MATERIAL TO COLLECT AND CONTAIN FOR SALVAGE OR DISPOSAL.  
PROTECTIVE EQUIPMENT:  
EYYS: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.  
SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE.  
INHALATION: NO RESPIRATORY PROTECTION SHOULD BE NEEDED.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAL ALL LOCAL, STATE AND FEDERAL  
REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED  
DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.  
D.O.T. (49CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION  
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE  
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE  
REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENT: PRODUCT CONTAINS NO INGREDIENT SUBJECT TO D.O.T. OR E.P.A. CERCLA/SARA ENVIRONMENTAL RELEASE REPORTING REGULATIONS. SEE SEC XI FOR ADDTL SARA COMPL. INFO. PRODUCT IS AN OIL IN THE CONTEXT OF US CLEAN WATER ACT. SPILLS TO U.S. SURFACE WATERS OR TO WATERCOURSE OR SEWER LEADING TO U.S. SURFACE WATERS THAT CAUSE A VISIBLE SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER.

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT: EYES - USE PROPER PROTECTION- SAFETY GLASSES AS MINIMUM.

SKIN\*: WASHING AT MEALTIME AND AT END OF SHIFT IS ADEQUATE.

INHALATION: NO RESPIRATORY PROTECTION SHOULD BE NEEDED.

VENTILATION:

LOCAL EXHAUST: NONE SHOULD BE NEEDED.

MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: NONE SHOULD BE NEEDED.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.

\* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

COMMENTS: NONE

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: USE REASONABLE CARE AND CAUTION.

OTHER PRECAUTIONS: NONE KNOWN TO DOW CORNING.

COMMENTS: TRACES OF BENZENE AND FORMALDEHYDE (CARCINOGENS) MAY FORM IF HEATED IN AIR ABOVE 300F/149C. PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE WITHIN INHALATION GUIDELINES WHEN HANDLING AT ELEVATED TEMPERATURES. REVIEW THE OSHA BENZENE AND FORMALDEHYDE REGULATIONS FOR DETAILED INFORMATION ON SAFE HANDLING REQUIREMENTS.

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SECTION XI - COMMENTS

ADDITIONAL SARA REGULATORY COMPLIANCE INFORMATION

SEC. 312 HAZARD CLASS: NONE

SEC. 313 NOTIFICATIONS: NOT APPLICABLE - EITHER NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

DATE: APRIL 20, 1990

DOW CORNING CORPORATION  
MIDLAND, MI 48686  
517-496-6000

VOC DATA SHEET -- INFORMATION BASED ON RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT OF CALIFORNIA.

PRODUCT NAME: DOW CORNING(R) 705 DIFFUSION PUMP FLUID

MAXIMUM VOC INCLUSIVE OF WATER AND EXEMPT COMPOUNDS: 110 G/1

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