

MAY 16 1994

DOW CORNING CORPORATION  
MATERIAL SAFETY DATA SHEET

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DOW CORNING(R) 5 COMPOUND

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EMERGENCY TELEPHONE NO. (517) 496-5900

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: DOW CORNING CORP. PRODUCT INFORMATION NO. (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: MIXTURE DOW CORNING WARNING CODE: NOT  
GENERIC DESCRIPTION: SILICONE USED

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

CAS NO.	INGREDIENT	WT. %	EXPOSURE LIMITS
007631869	SILICA, AMORPHOUS	10	OSHA PEL: TWA 6 MG/M3, ACGIH TLV: TWA 10 MG/M3 TOTAL DUST
033204761	2,6 CIS-DIPHENYHEXA- METHYL, CYCLOTETRASILOXANE	< 0.01	20 MICROGMS/M3-DOW CORNING GUIDE.
010448096	HEPTAMETHYLMONOPHENYL- CYCLOTETRASILOXANE	< 0.02	200 MICROGMS/M3-DOW CORNING GUIDE.

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SECTION III - EFFECTS OF OVEREXPOSURE

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

SKIN: A SINGLE PROLONGED EXPOSURE (24 TO 48 HOURS) CAUSES NO KNOWN ADVERSE EFFECT.

INHALATION: NO IRRITATION TO EYES AND RESPIRATORY PASSAGES. NO INJURY IS LIKELY FROM RELATIVELY SHORT EXPOSURE OF LESS THAN 8 HOURS.

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

COMMENTS: THE CYCLOTETRASILOXANES SHOWN IN SEC.II ARE ESTROGEN-LIKE CHEMICALS. ANIMAL STUDIES INDICATE ESTROGENS MAY CAUSE CANCER AND ADVERSE REPRODUCTIVE EFFECTS AFTER PROLONGED EXPOSURE TO HIGH DOSE LEVELS. 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. NO INJURY FROM SILICA DUST SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYSTEM INJURY MAY OCCUR.

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SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

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EYES: IMMEDIATELY FLUSH WITH WATER.

SKIN: WIPE OFF AND FLUSH WITH WATER.

INHALATION: NO FIRST AID SHOULD BE NEEDED.

ORAL: NO FIRST AID SHOULD BE NEEDED.

COMMENT: NONE.

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SECTION V - FIRE AND EXPLOSION DATA

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FLASH POINT (METHOD USED): OPEN CUP ABOVE 250F/121C

AUTOIGNITION: NOT DETERMINED

FLAMMABILITY LIMITS IN AIR : LOWER:N.D. UPPER:N.D.

EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING 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.

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SECTION VI - PHYSICAL DATA

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BOILING POINT(AT 760 MM HG): NOT APPLICABLE

SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.0

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE (AT 77 DEG F/25 DEG C): LESS THAN 5 MM.

VAPOR DENSITY (AIR = 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, PASTE-LIKE, 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

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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, INCLUDES FORMALDEHYDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE.

COMMENTS: NONE.

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

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND USE ABSORBENT MATERIAL TO TAKE CARE OF ANY OIL-LIKE RESIDUES.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES AT THE END OF THE WORK PERIOD AND CLEAN THOROUGHLY BEFORE REUSE.

INHALATION: NO RESPIRATORY PROTECTION SHOULD BE NEEDED.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT 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

COMMENTS: PRODUCT CONTAINS NO INGREDIENT SUBJECT TO D.O.T OR E.P.A. CERCLA/SARA ENVIRONMENTAL RELEASE REPORTING REGULATIONS. SEE SEC. XI FOR ADDITIONAL SARA COMPLIANCE INFORMATION.

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SECTION IX - ROUTINE HANDLING PRECAUTIONS

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PROTECTIVE EQUIPMENT:

EYES: 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.

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.

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SECTION X - SPECIAL PRECAUTIONS

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

OTHER PRECAUTIONS: SEE SECTION XI.

COMMENTS: TRACES OF BENZENE (CARCINOGEN) 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 REGULATIONS FOR DETAILED INFORMATION ON SAFE HANDLING REQUIREMENTS.

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SECTION XI - COMMENTS

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ADDITIONAL SARA REGULATORY COMPLIANCE INFORMATION

SEC. 312 HAZARD CLASS: NONE.

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

COMMENTS: (CON'T FROM SEC. X)

USE AT HIGH TEMPERATURES MAY EVOLVE OR GENERATE PHENYLHEPTAMETHYLCYCLOTETRA-SILOXANE AND 2,6 -CIS-DIPHENYLHEXAMETHYLCYCLOTETRASILOXANE. PROVIDE ADEQUATE VENTILATION TO CONTROL EXPOSURE WITHIN SEC. II GUIDELINES. PERSONNEL SHOULD WEAR ORGANIC VAPOR RESPIRATORS UNTIL WORKPLACE LEVELS HAVE BEEN DETERMINED.

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SECTION XII - COMMENTS

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SUPPLEMENTAL STATE COMPLIANCE INFORMATION

PENNSYLVANIA:	10%	7631869	SILICA, AMORPHOUS
		63148527	DIMETHYL, PHENYLMETHYLPOLYSILOXANE, TRIMETHYL-TERMINATED
		70131678	POLYDIMETHYLSILOXANE, HYDROXY-TERMINATED
MASSACHUSETTS:	10%	7631869	SILICA, AMORPHOUS
NEW JERSEY:	10%	7631869	SILICA, AMORPHOUS, FUMED; #1655
		63148527	DIMETHYL, PHENYLMETHYLPOLYSILOXANE, TRIMETHYL-TERMINATED
		70131678	POLYDIMETHYLSILOXANE, HYDROXY-TERMINATED

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. 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.

PREPARED BY: PRODUCT SAFETY  
LAST REVISION DATE: NOVEMBER 19, 1993  
PREVIOUS REVISION DATE: APRIL 3, 1990  
DATE: NOVEMBER 20, 1993

(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.