B) 34-727

> PRODUCT INFORMATION CENTER DOW CORNING CORPORATION PO BOX 497 CO2230 MIDLAND, MI 48686

002613



#### DOW CORNING CORPORATION MATERIAL SAFETY DATA SHEET

| MATERIAL SAFETY DATA SHEET   |
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| MATL NAME: DOW CORNING(R) 111 VALVE LUB. AND SEALANT 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 RCRA HAZARD CLASS (40CFR 261) (IF DISCARDED): NONE R.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 USED GENERIC DESCRIPTION: SILICONE |
| SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200 (CARCINOGENS IDENTIFIED WITH AN ASTERISK *)  |
| CAS NO. INGREDIENT WTZ EXPOSURE LIMITS OO7631869 SILICA, AMORPHOUS 9 OSHA PEL: TWA 6 MG/M3. ACGIH TLV: 10 MG/M3 TOTAL DUST.  |
| SECTION III - EFFECTS OF OVEREXPOSURE  |
| 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.,

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MATL NAME: DOW CORNING(R) 111 VALVE LUB. AND SEALANT

SECTION III - EFFECTS OF EXPOSURE (CONTINUED)

SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN

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.
NO INJURY FROM SILICA DUSTS SHOULD OCCUR DURING REASONABLE USE. IF USE
COME DESCRIBATION OF THE PARTICLES SOME DESCRIBATION SYSTEM IN HID W MAY OCCUR

NO INJURY FROM SILICA DUSTS SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYSTEM INJURY MAY OCCUR.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH IMMEDIATELY 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

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): CLOSED CUP: ABOVE 212F/100C

AUTOIGNITION: NOT DETERMINED FLAMMABILITY LIMITS IN AIR: UPPER: N.D. LOWER: N.D.

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

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

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 (AIR = 1 AT 77 DEG F/25 DEG C): NOT APPLICABLE.
PERCENT VOLATILE BY WEIGHT (%): LESS THAN 1
EVAPORATION RATE (ETHER = 1): NOT APPLICABLE
SOLUBILITY IN WATER(%): LESS THAN 0.1
ODOR, APPEARANCE, COLOR: VERY LITTLE ODOR, PASTE-LIKE, SOME 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

SECTION VII - REACTIVITY DATA

STABILITY: STABLE

INCOMPATABILITY (MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION.

CONDITIONS TO AVOID: NOT APPLICABLE

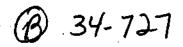
CARBON DIOXIDE, AND TRACES HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, ALSO SEE SECTION X. OF INCOMPLETELY BURNED CARBON PRODUCTS.

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

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: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE.

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.

## SECTION IX - ROUTINE HANDLING PRECAUTIONS

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

### SECTION X - SPECIAL PRECAUTIONS

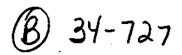
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: USE REASONABLE CARE AND CAUTION.

OTHER PRECAUTIONS: NONE.
COMMENTS: TRACES OF FORMALDEHYDE (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 FORMALDEHYDE
REGULATIONS FOR DETAILED INFORMATION ON SAFE HANDLING REQUIREMENTS.

## SECTION XI - COMMENTS

ADDITIONAL SARA REGULATORY COMPLIANCE INFORMATION SEC. 312 HAZARD CLASS: NONE. SEC. 313 NOTIFICATION: NOT APPLICABLE - EITHER NOT APPLICABLE - EITHER NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.





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SECTION XII - COMMENTS

SUPPLEMENTAL STATE COMPLIANCE INFORMATION
PENNSYLVANIA: 9% 7631869 SILICA, AMORPHOUS
63148629 POLYDIMETHYLSILOXANE
70131678 POLYDIMETHYLSILOXANE, HYDROXY-TERMINATED
MASSACHUSETTS: 9% 7631869 SILICA, AMORPHOUS;
NEW JERSEY: 9% 7631869 SILICA, AMORPHOUS; FUMED #1655
NEW JERSEY: 9% 7631869 SILICA, AMORPHOUS; FUMED #1655

9% 7631869 SILICA, AMORPHOUS 9% 7631869 SILICA, AMORPHOUS; FUMED #1655 PREVAILING COMPONENTS SAME AS PENNSYLVANIA ABOVE.

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: JACK L. SHENEBERGER LAST REVISION DATE: APRIL 23, 1990 PREVIOUS REVISION DATE: MARCH 12, 1986 DATE: APRIL 20, 1992 (R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.