

MSDS DATA SHEET

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Part Number: 12345579

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CHEMISTRI 10/08/03

DISPLAY MATERIAL SAFETY DATA SHEET 13:34:31

SCREEN QA06__ KEY 0000940295,0000000018_____

FID#: 00124427 VER-DT: 01/21/97

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: DOW CORNING 4 ELECTRICAL INSULATING COMPOUND

PLANT SYNONYMS: GOODWRENCH SILICONE GREASE DIELECTRIC

> SILICONE GREASE DIELECTRIC

> 10-4007

> 12345579

> 88900334

SAFE USE CATEGORY AND DESCRIPTION: 06 -ADHESIVES, SEALERS - GENERAL

LAST UPDATED DATE: 2002-01-22

MANUFACTURER'S ID (MID): 000533770

MANUFACTURER'S NAME: DOW CORNING CORP

EMERGENCY

MANUFACTURER'S MAILING ADDRESS:

2200 W. SALSBURG ROAD

MIDLAND MI 48686-0994

US

SECTION 1 - OTHER INFORMATION: GENERIC DESCRIPTION: INORGANIC COMPOUND.

PHYSICAL FORM: GREASE. COLOR: TRANSLUCENT WHITE. ODOR: SOME ODOR. NFPA

PROFILE: HEALTH: 0, FLAMMABILITY: 1, INSTABILITY/REACTIVITY: 0.

PREPARED BY: DOW CORNING CORPORATION.

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS# FORMULATION W/V CHEMICAL NAME

007631869 = 9.0000/ 0.0000% W Silica

* polymers with Me silsesquioxanes

070131678 = 5.0000/ 0.0000% W Siloxanes and Silicones, di-Me, hy

* droxy-terminated

989922746 = 1.0000/ 0.0000% W ADDITIVES

SECTION 2 - OTHER INFORMATION: OSHA HAZARDOUS COMPONENTS: NONE PRESENT.

THIS IS NOT A HAZARDOUS MATERIAL AS DEFINED IN THE OSHA HAZARD COMMUNICATION STANDARD. CONTENTS OF THIS MSDS COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR = Y

EYE PRIMARY ENTRY ROUTE INDICATOR = Y

INHALATION PRIMARY ENTRY ROUTE INDICATOR = Y

EFFECTS OF OVEREXPOSURE - SKIN: ACUTE EFFECTS: NO SIGNIFICANT

IRRITATION EXPECTED FROM A SINGLE SHORT-TERM EXPOSURE.

PROLONGED/REPEATED EXPOSURE EFFECTS: NO KNOWN APPLICABLE INFORMATION.

EFFECTS OF OVEREXPOSURE - EYE: ACUTE EFFECTS: DIRECT CONTACT MAY CAUSE TEMPORARY REDNESS AND DISCOMFORT.

EFFECTS OF OVEREXPOSURE - INHALATION: ACUTE EFFECTS: NO SIGNIFICANT EFFECTS EXPECTED FROM A SINGLE SHORT-TERM EXPOSURE. PROLONGED/REPEATED EXPOSURE EFFECTS: NO KNOWN APPLICABLE INFORMATION.

EFFECTS OF OVEREXPOSURE - INGESTION: ACUTE EFFECTS: ORAL: LOW INGESTION HAZARD IN NORMAL USE. PROLONGED/REPEATED EXPOSURE EFFECTS: NO KNOWN APPLICABLE INFORMATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NO KNOWN APPLICABLE INFORMATION.

ADDITIONAL HEALTH HAZARD DATA: SIGNS AND SYMPTOMS OF OVEREXPOSURE: NO 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.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - GENERAL: COMMENTS: TREAT SYMPTOMATICALLY.

EMERGENCY FIRST AID PROCEDURES - SKIN: NO FIRST AID SHOULD BE NEEDED.

EMERGENCY FIRST AID PROCEDURES - EYES: IMMEDIATELY FLUSH WITH WATER.

EMERGENCY FIRST AID PROCEDURES - INHALATION: NO FIRST AID SHOULD BE NEEDED.

EMERGENCY FIRST AID PROCEDURES - INGESTION: ORAL: NO FIRST AID SHOULD BE NEEDED.

SECTION 05: FIRE-FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES: EXTINGUISHING MEDIA: ON LARGE FIRES USE DRY CHEMICAL, FOAM OR WATER SPRAY. ON SMALL FIRES USE CARBON DIOXIDE (CO₂), DRY CHEMICAL OR WATER SPRAY. WATER CAN BE USED TO COOL FIRE EXPOSED CONTAINERS. FIRE FIGHTING MEASURES: 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 AND EXPLOSION HAZARDS: UNUSUAL FIRE HAZARDS: NONE.

NFPA CODES:

NFPA FLAMMABILITY CODE = 1

NFPA HEALTH CODE = 0

AUTO-IGNITION TEXT: NOT DETERMINED.

FLASH POINT TEMPS: = 100.00C/ 212.00F

FLASH POINT METHOD: CC

FLASH POINT METHOD TEXT: CLOSED CUP.

SECTION 5 - OTHER INFORMATION: FLAMMABILITY LIMITS IN AIR: NOT DETERMINED.

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: CONTAINMENT/CLEAN UP: OBSERVE ALL PERSONAL PROTECTION EQUIPMENT RECOMMENDATIONS DESCRIBED IN SECTION 5 AND 8. WIPE UP OR SCRAPE UP AND CONTAIN FOR SALVAGE OR DISPOSAL. CLEAN AREA AS MAY PRESENT A SLIP HAZARD. FINAL CLEANING MAY REQUIRE USE OF STEAM, SOLVENTS OR DETERGENTS. 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. CALL DOW CORNING CORPORATION, (989) 496-5900, IF ADDITIONAL INFORMATION IS REQUIRED. PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS: EYES: USE PROPER PROTECTION-SAFETY GLASSES AS A MINIMUM. SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. INHALATION/SUITABLE RESPIRATOR: NO RESPIRATORY PROTECTION SHOULD BE NEEDED. PRECAUTIONARY MEASURES: AVOID EYE CONTACT. USE REASONABLE CARE. COMMENTS: NONE.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: USE WITH ADEQUATE VENTILATION. AVOID EYE CONTACT. USE REASONABLE CARE AND STORE AWAY FROM OXIDIZING MATERIALS.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING: USE PROPER PROTECTION-SAFETY GLASSES AS A MINIMUM.

RESPIRATORY PROTECTION: PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING: INHALATION: NO RESPIRATORY PROTECTION SHOULD BE NEEDED. SUITABLE RESPIRATOR: NONE SHOULD BE NEEDED.

PERSONAL PROTECTIVE EQUIPMENT: NOTE: THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING. USE AT ELEVATED TEMPERATURE OR AEROSOL/SPRAY

ENGINEERING CONTROLS: LOCAL VENTILATION: NONE SHOULD BE NEEDED. GENERAL VENTILATION: RECOMMENDED.

WORKPLACE/HYGIENIC PRACTICES: PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING: SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. PRECAUTIONARY MEASURES: AVOID EYE CONTACT. USE REASONABLE CARE.

PROTECTIVE GLOVES (SPECIFY TYPE): PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING: SUITABLE GLOVES: NO SPECIAL PROTECTION NEEDED.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEXT: NOT DETERMINED.

SPECIFIC GRAVITY VALUES: = 1.0000
SPECIFIC GRAVITY TEXT: AT 25 C.

VAPOR DENSITY TEXT: NOT DETERMINED.

VAPOR PRESSURE TEXT: AT 25 C: NOT DETERMINED.

PERCENT VOLATILE BY WEIGHT TEXT: VOLATILE CONTENT: NOT DETERMINED.

SOLUBILITY IN WATER TEXT: NOT DETERMINED.

PH OF PRODUCT IN SOLUTION WITH WATER/TEXT: NOT DETERMINED.

APPEARANCE: PHYSICAL FORM: GREASE. COLOR: TRANSLUCENT WHITE.

VISCOSITY TEXT: NOT DETERMINED.

PHYSICAL STATE: PAS

SECTION 9 - OTHER INFORMATION: NOTE: THE INFORMATION IN THIS SECTION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS.

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - TEXT: CHEMICAL STABILITY: STABLE. CONDITIONS TO AVOID: NONE. MATERIALS TO AVOID: OXIDIZING MATERIAL CAN CAUSE A REACTION.

DURING FIRE OR VERY HIGH HEAT CONDITIONS MAY EVOLVE THE FOLLOWING HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES AND TRACES OF INCOMPLETELY BURNED CARBON COMPOUNDS. SILICON DIOXIDE, FORMALDEHYDE.

HAZARDOUS POLYMERIZATION INDICATOR: N

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA UNLIMITED TEXT: TOXICOLOGICAL INFORMATION: NO KNOWN APPLICABLE INFORMATION. SPECIAL HAZARD INFORMATION ON COMPONENTS: NO KNOWN APPLICABLE INFORMATION.

SECTION 12: ECOLOGICAL INFORMATION

INFORMATION IS NOT YET AVAILABLE. ENVIRONMENTAL EFFECTS: COMPLETE INFORMATION IS NOT YET AVAILABLE. FATE AND EFFECTS IN WASTE WATER TREATMENT PLANTS: COMPLETE INFORMATION IS NOT YET AVAILABLE. ECOTOXICITY CLASSIFICATION CRITERIA: HAZARD PARAMETERS (LC50 OR EC50): ACUTE AQUATIC TOXICITY (MG/L): HIGH: ≤ 1 , MEDIUM: >1 AND ≤ 100 , LOW: >100 . ACUTE TERRESTRIAL TOXICITY: HIGH: ≤ 100 , MEDIUM: >100 AND ≤ 2000 , LOW: >2000 . THIS TABLE IS ADAPTED FROM ENVIRONMENTAL TOXICOLOGY AND RISK ASSESSMENT, ASTM STP 1179, P.34, 1993. THIS TABLE CAN BE USED TO CLASSIFY THE ECOTOXICITY OF THIS PRODUCT WHEN ECOTOXICITY DATA IS LISTED. PLEASE READ THE OTHER INFORMATION PRESENTED IN THE SECTION CONCERNING THE OVERALL ECOLOGICAL SAFETY OF THIS MATERIAL.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: RCRA HAZARD CLASS (40 CFR 261): WHEN A DECISION HAZARDOUS WASTE? NO. STATE OR LOCAL LAWS MAY IMPOSE ADDITIONAL REGULATORY REQUIREMENTS REGARDING DISPOSAL. CALL DOW CORNING CORPORATE ENVIRONMENTAL MANAGEMENT, (989) 496-6315, IF ADDITIONAL INFORMATION IS REQUIRED.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION: DOT ROAD SHIPMENT INFORMATION (29 CFR 172.101): NOT SUBJECT TO DOT.

SECTION 14 - OTHER INFORMATION: OCEAN SHIPMENT (IMDG): NOT SUBJECT TO IMDG CODE. AIR SHIPMENT (IATA): NOT IATA REGULATED. (VENTED PACKAGES FORBIDDEN FOR AIR TRANSPORT). CALL DOW CORNING TRANSPORTATION, (989)

496-8577, IF ADDITIONAL INFORMATION IS REQUIRED.

SARA 311/312 HAZARD INDICATORS:

IMMEDIATE HEALTH INDICATOR = N
DELAYED HEALTH INDICATOR = N
FIRE INDICATOR = N
SUDDEN PRESSURE RELEASE INDICATOR = N
REACTIVITY INDICATOR = N

SECTION 15 - OTHER INFORMATION: TSCA STATUS: ALL CHEMICAL SUBSTANCES IN THIS MATERIAL ARE INCLUDED ON OR EXEMPTED FROM LISTING ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES. EPA SARA TITLE III CHEMICAL LISTINGS: SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE. SECTION 302 CERCLA HAZARDOUS SUBSTANCES: NONE. SECTION 313 TOXIC CHEMICALS: NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES. SUPPLEMENTAL STATE COMPLIANCE INFORMATION: CALIFORNIA: WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED BY THE STATE OF CALIFORNIA UNDER THE SAFE DRINKING TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: NONE KNOWN. MASSACHUSETTS: SILICA, AMORPHOUS (7631-86-9) 7.0-13.0 WT %. NEW JERSEY: DIMETHYL, METHYL SILICONE RESIN (68037-74-1) >60.0 WT %. SILICA, AMORPHOUS (7631-86-9) 7.0-13.0 WT %. DIMETHYL SILOXANE, HYDROXY-TERMINATED (70131-67-8) 5.0-10.0 WT %. PENNSYLVANIA: DIMETHYL, METHYL SILICONE RESIN (68037-74-1) >60.0 WT %. SILICA, AMORPHOUS (7631-86-9) 7.0-13.0 WT %. DIMETHYL SILOXANE, HYDROXY-TERMINATED (70131-67-8) 5.0-10.0 WT %.

SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: RCRA HAZARD CLASS (40 CFR 261): WHEN A DECISION IS MADE TO DISCARD THIS MATERIAL, AS RECEIVED, IS IT CLASSIFIED AS A HAZARDOUS WASTE? NO.

*** END OF DATA SHEET ***