

MSDS DATA SHEET

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Part Number: 12378478

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DISPLAY MATERIAL SAFETY DATA SHEET 14:13:56

SCREEN QA06__ KEY 0000950694,0000000018_____

FID#: 00343342 VER-DT: 09/08/98

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: RTV SILICONE RUBBER T2001
PLANT SYNONYMS: GM SILICONE SEALANT RTV RUBBER T2001
> 12378478

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

LAST UPDATED DATE: 1998-09-08

MANUFACTURER'S ID (MID): 000533844
MANUFACTURER'S NAME: WACKER SILICONES CORP
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 517-264-8500
MANUFACTURER'S MAILING ADDRESS:
3301 SUTTON ROAD
US

SECTION 1 - OTHER INFORMATION: - METHYL-TRIS-CYCKOHEXYLAMINO-SILANE,
CAS #: 15901-40-3, OSHA-PEL: N.E. -- ACIGIH-TLV: N.E. - CYLOHEXYLAMINE
(HYDROLYSIS BY-PRODUCT), CAS #: 108-91-8, OSHA-PEL: 10 PPM. ACGIH-TLV:
10 PPM.

WHMIS CLASSIFICATION: REGULATED
D2: POISONOUS AND INFECTIOUS MATERIALS
MATERIALS CAUSING OTHER TOXIC EFFECTS

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000057114	< 0.0000/ 1.0000%	W	STEARIC ACID
001309371	R 10.0000/ 20.0000%	W	IRON(III) OXIDE
001309484	R 5.0000/ 10.0000%	W	MAGNESIUM OXIDE
001760243	< 0.0000/ 1.0000%	W	ETHYLENEDIAMINE, N-(3-(TRIMETHOXY * ILYL)PROPYL)-
015901403	R 5.0000/ 10.0000%	W	Silanetriamine, N,N',N"-tricycloh * exyl-1-methyl-
026316405	R 1.0000/ 5.0000%	W	1,2-Ethanediamine, polymer with me * thyloxirane and oxirane
063148629	R 5.0000/ 15.0000%	W	SF-96
070131678	R 25.0000/ 35.0000%	W	Siloxanes and Silicones, di-Me, hy * droxy-terminated

SARA 313: THIS MATERIAL DOES NOT CONTAIN ANY SUBSTANCES ON THE LIST OF TOXIC CHEMICALS SUBJECT TO SECION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III), IN EXCESS OF THE APPLICABLE DE MINIMISE CONCENTRAIONSS AS SPECIFIED IN SECTION

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
INGESTION PRIMARY ENTRY ROUTE INDICATOR = Y

EFFECTS OF OVEREXPOSURE: EXPOSURE LIMITS: NO EXPOSURE LIMIT HAS BEEN ESTABLISHED FOR THIS MATERIAL. EXPOSURE LIMITS FOR ITS HAZARDOUS COMPONENTS, IF ANY, ARE LISTED IN SECTION IA ON PAGE ONE.

EFFECTS OF OVEREXPOSURE - SKIN: MAY CAUSE IRRITATION

EFFECTS OF OVEREXPOSURE - EYE: CAUSES BURNS

EFFECTS OF OVEREXPOSURE - INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: THERE ARE NO DATA AVILABLE WHICH ADRESS MEDICAL CONDITIONS THAT ARE GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

ADDITIONAL HEALTH HAZARD DATA: THIS MATERIAL RELEASES CYCLOHEXYLAMINE UPON MOISTURE CURING. EXPOSURE TO CYCLOHEXYLAMINE VAPORS MAY CAUSE IRRITATION OF THE EYES, MUCOUS MEMBRANES AND SKIN. - DIRECT CONTACT WITH THE EYES AND SKIN WILL CAUSE BURNS AND MAY CAUSE PERMANENT DAMAGE. - A REVERSIBLE NARCOTIC EFFECT WAS NOTED IN THREE CASES OF ACUTE HUMAN EXPOSURE. - ALTHOUGH POSITIVE MUTAGENIC RESULTS WERE NOTED IN TWO EXPERIMENTS, SEVERAL STUDIES HAVE SHOWN NO EVIDENCE OF MUTAGENICITY. - IN ADDITION, SEVERAL STUDIES HAVE SHOWN NO EVIDENCE OF TERATOGENICITY. - UPON COMPLETION OF THE CURING PROCESS, CYCLOHEXYLAMINE WILL NO LONGER BE RELEASED. - -

SECTION 3 - OTHER INFORMATION: USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM CONTAINERS.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: REMOVE AS MUCH OF THE MATERIAL AS POSSIBLE USING MECHANICAL/WATERLESS METHODS BEFORE WASHING WITH WATER. SEEK MEDICAL ATTENTION FOR ANY BURNS OR IRRITATION RESULTING FROM CONTACT WITH CURE BY-PRODUCTS.

EMERGENCY FIRST AID PROCEDURES - EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYE AND LIDS WITH WATER. GET MEDICAL ATTENTION IMMEDIATELY.

EMERGENCY FIRST AID PROCEDURES - INHALATION: IF INHALED, REMOVE TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

PERSON ANYTHING TO DRINK. IF UNCONSCIOUS, TREAT FOR SHOCK. NOTIFY A PHYSICIAN OR THE NEAREST POISON CONTROL CENTER IMMEDIATELY. IF CONSCIOUS, HAVE THE PERSON POISON CONTROL CENTER IMMEDIATELY. IF CONSCIOUS, HAVE THE PERSON RINSE HIS MOUTH WITH COLD WATER. DO NOT ATTEMPT TO INDUCE VOMITING (VOMITING MAY OCCUR NATURALLY, BUT IT SHOULD BE AVOIDED IF POSSIBLE). IF UNCONSCIOUS AND VOMITING, TURN THE PERSON ON HIS SIDE TO AVOID CHOKING.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: N/A

FLAMMABLE UEL: N/A

SPECIAL FIRE FIGHTING PROCEDURES: AS IN ANY FIRE, PREVENT HUMAN EXPOSURE TO FIRE, SMOKE, FUMES OR PRODUCTS OF COMBUSTION. EVACUATE FULL-FACES, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS IS A PASTE LIKE MATERIAL THAT WILL BURN WITH A LAZY SMOLDERING TYPE FLAME.

HMIS CODES:

HMIS REACTIVITY CODE =	0	
HMIS HEALTH CODE =	3	
HMIS FLAMMABILITY CODE =	1	
HMIS PERSONAL PROTECTION CODE =		H

NFPA CODES:

NFPA FLAMMABILITY CODE =	1	
NFPA HEALTH CODE =	3	
NFPA REACTIVITY CODE =	0	

AUTO-IGNITION TEMPS: N/A

FLASH POINT TEMPS: N/A

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: MAKE SURE ALL PERSONNEL INVOLVED IN THE SPILL CLEANUP FOLLOW GOOD INDUSTRIAL HYGIENE PRACTICES. - SCOOP UP LARGE QUANTITIES AFTER DUSTING SURFACE WITH A DRY POWDER TO PREVENT STICKING. SCRAPE UP THE REMAINING MATERIAL AND FLUSH SPILL AREA WITH WATER. OBSERVE ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING DISPOSAL, SPILL, CLEANUP, REMOVAL ORA DISCHARGE.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: NONCORROSIVE TO STORAGE AND SHIPPING CONTAINERS. - STORE IN A COOL, DRY, WELL-VENTILATED AREA. - EXERCISE DUE CAUTION TO PREVENT DAMAGE TO THE CONTAINER.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: EYE CONTACT SHOULD BE AVOIDED THROUGH THE USE OF CHEMICAL SAFETY GLASSES, GOGGLES, OR A FACE SHIELD SELECTED WITH REGARD FOR USE CONDITION EXPOSURE.

SKIN PROTECTION: SKIN CONTACT SHOULD BE MINIMIZED THROUGH THE USE OF GLOVES AND SUITABLE LONG-SLEEVED CLOTHING SELECTED WITH REGARD FOR USE CONDITION EXPOSURE POTENTIAL

RESPIRATORY PROTECTION: IF THE PRODUCT IS USED UNDER CONDITIONS WHICH CARRIED OUT IN OPEN, WELL VENTILATED AREAS, OR IN ENCLOSED AREAS EQUIPPED WITH LOCAL EXHAUST VENTILATION. IF ADEQUATE VENTILATION IS NOT AVAILABLE, EMPLOYEES SHOULD BE PROVIDED WITH APPROPRIATE, APPROVED, AIR-PURIFYING RESPIRATORS SELECTED IN ACCORDANCE WITH NIOSH GUIDELINES.

VENTILATION: - RESPIRATORY PROTECTION IS RECOMMENDED IN THE EVENT THAT VENTILATION OR ENGINEERING CONTROLS ARE UNABLE TO MAINTAIN EXPOSURES BELOW RECOMMENDED LEVELS, OR IN THE EVENT OF A SPILL OR OTHER EMERGENCY SITUATION.

ENGINEERING CONTROLS: WHEN THE NEED FOR ENGINEERING CONTROLS IS INDICATED BY THE CONDITIONS UNDER WHICH THE PRODUCT IS USED, ONE OR MORE OF THE FOLLOWING TECHNIQUES MAY BE SELECTED TO LIMIT EMPLOYEE EXPOSURE: GENERAL VENTILATION, LOCAL EXHAUST VENTILATION, ENCLOSURE OR CONFINEMENT OF THE OPERATION, AND/OR PROCESS ISOLATION WITH REMOVE CONTROL OPERATION.

SECTION 8 - OTHER INFORMATION: INGESTION: OPEN CONTAINERS OF FOOD AND BEVERAGES SHOULD BE KEPT AWAY FROM AREAS WHERE THE PRODUCT IS USED OR STORED. EATING, DRINKING, SMOKING, AND APPLICATION OF COSMETICS SHOULD BE PROHIBITED IN AREAS WHERE THE PRODUCT IS BEING USED. BEFORE EATING, HANDS AND FACE SHOULD BE WASHED TO REMOVE RESIDUAL CONTAMINATION.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEMPS: N/A

SPECIFIC GRAVITY VALUES: = 1.5500

VAPOR DENSITY VALUES: N/D

VAPOR PRESSURE VALUES/UOM: N/A

EVAPORATION RATE VALUES: N/A 0.00

SOLUBILITY IN WATER TEXT: NEGLIGIBLE

PH OF PRODUCT IN SOLUTION WITH WATER/VALUE: N/A

PH OF PRODUCT AS RECEIVED (NEAT)/VALUE: N/A

APPEARANCE: RED COLORED PASTE

ODOR: AMINE ODOR

MOLECULAR WEIGHT VALUES: N/A

PHYSICAL STATE: PAS

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

HAZARDOUS DECOMPOSITION PRODUCTS: SI02, CO, CO2, NOX, FORMALDEHYDE, AND VARIOUS HYDROCARBON FRAGMENTS.

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR

SECTION 10 - OTHER INFORMATION: CHEMICAL REACTIVITY: REACT WITH ATMOSPHERIC MOISTURE TO FORM A CURED SEALANT, RELEASING CYCLOHEZYLAMINE UNTIL THE CURING PROCESS IS COMPLET. KEEP CONTAINER CLOSED TO PREVENT EXPOSURE TO MOISTURE. - AVOID CONTACT WITH STRONG ACIDS, BASES, REDUCING AND OXIDIZING AGENTS. REACTS WITH INTERHALOGENS AND PHOSPHOROUS PENTACHLORIDE.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA UNLIMITED TEXT: TOXICOLOGICAL TESTING HAS NOT BEEN CONDUCTED WITH THIS MATERIAL BY WACKER SILICONES CORPORATION.

CARCINOGENICITY: THIS MATERIAL DOES NOT CONTAIN ANY INGREDIENTS LISTED BY IARC, NTP OR OSHA AS CARCINOGENS IN AMOUNTS EXCEEDING 0.1%

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: MATERIAL THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF AT AN APPROVED FACILITY IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS UNDER THE RESOURCE CONSERVATION AND

RECOVERY ACT (RCRA). NOTE: STATE AND LOCAL REGULATIONS MAY BE MORE STRINGENT THAN THOSE UNDER RCRA. - DISPOSE OF EMPTY CONTAINER ACCORDING RECOVERY ACT (RCRA). NOTE: STATE AND LOCAL REGULATIONS MAY BE MORE STRINGENT THAN THOSE UNDER RCRA. -EMPTY CONTAINERS MAY CONTAIN RESIDUAL MATERIAL. DO NOT REUSE CONTAINERS UNLESS PROPERLY RECONDITIONED.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME: (172.101 (C)): NONE - NOT REGULATED. - TECHNICAL NAME(S): (172.203 (K)): NONE.

HAZARD CLASS: (172.101 (D)): NONE - NON-HAZARDOUS.

U.N. CODE: (172.101 (E)): NOT APPLICABLE.

SECTION 14 - OTHER INFORMATION: - THIS MATERIAL OR ITS COMPONENTS ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCE LIST (DSL). - CANADIAN COMPONENTS IN QUANTITIES GREATER THAN THE SPECIFIED WEIGHT-TO-WEIGHT CONCENTRATION: FERRIC OXIDE.

TDG CLASSIFICATION: NOT REGULATED
TDG SHIPPING NAME: N/R
TDG UN NUMBER: N/R
TDG HAZARD CLASS: N/R
TDG PACKING GROUP: N/R

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: TSCA: THIS MATERIAL OR ITS COMPONENTS ARE LISTED ON THE TSCA CHEMICAL SUBSTANCE INVENTORY AND IS IN COMPLIANCE WITH ALL APPLICABLE RULES AND ORDERS. ONE OR MORE OF THE COMPONENTS MAY BE EXEMPT FROM LISTING ON THE TSCA INVENTORY.

SECTION 16: OTHER INFORMATION

SECTION 16 - OTHER INFORMATION: - CALIFORNIA PROPOSITION 65: THIS MATERIAL DOES NOT CONTAIN ANY SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE EFFECTS. - MASSACHUSETTS SUBSTANCE LIST: THIS MATERIAL DOES NOT CONTAIN COMPONENTS WHICH ARE LISTED. - PENNSYLVANIA HAZARDOUS SUBSTANCE LIST: THIS MATERIAL CONTAINS THE FOLLOWING LISTED COMPONENTS: IRON OXIDE, AS FE2O2. - NEW JERSEY R-T-K HAZARDOUS SUBSTANCE LIST: THIS MATERIAL DOES NOT CONTAIN COMPONENTS WHICH ARE LISTED.

RCRA HAZARDOUS WASTE NUMBER TEXT: NOT REGULATED

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