

MSDS DATA SHEET

Created on 10/03/2003

Part Number: 1052366

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CHEMISTRI 10/03/03
DISPLAY MATERIAL SAFETY DATA SHEET 10:14:40
SCREEN QA06__ KEY 0000939375,0000000018_____
FID#: 00108585 VER-DT: 11/01/94

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: RTV SILICONE RUBBER T56
PLANT SYNONYMS: GOODWRENCH SILICONE SEALER
> RTV ADHESIVE SEALANT
> SILICONE SEALER
> 1052366
> 1052434

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

LAST UPDATED DATE: 1994-11-01

MANUFACTURER'S ID (MID): 000533844
MANUFACTURER'S NAME: WACKER SILICONES CORP
3301 SUTTON ROAD
ADRIAN MI 49221
US

CHEMICAL FAMILY NAME: MOISTURE CURING SILICONE SEALANT

MOLECULAR FORMULA: NOT APPLICABLE

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
001309371	R 10.0000/ 20.0000%	W	IRON(III) OXIDE
001760243	R 50.0000/ 60.0000%	W	ETHYLENEDIAMINE, N-(3-(TRIMETHOXY
*			ILYL)PROPYL)-
015901403	R 1.0000/ 10.0000%	W	Silanetriamine, N,N',N"-tricycloh
027178161	R 1.0000/ 10.0000%	W	ADIPIC ACID, DIISODECYL ESTER
070131678	R 20.0000/ 30.0000%	W	Siloxanes and Silicones, di-Me, hy
*			droxy-terminated
112945525	R 1.0000/ 10.0000%	W	SILICA, AMORPHOUS FUMED

SECTION 2 - OTHER INFORMATION: ADDITIONAL INFORMATION REQUESTED FROM MANUFACTURERS: NARROWER RANGES.

THRESHOLD LIMIT VALUE: 108918: 10 PPM // 15901403: N.E.

PERMISSIBLE EXPOSURE LIMIT: 108918: 10 PPM // 15901403: N.E.

SECTION 03: HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE: REFER TO ROUTES OF EXPOSURE ABOVE.
EFFECTS OF OVEREXPOSURE - EYE: CAUSES BURNS.
EFFECTS OF OVEREXPOSURE - INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.
EFFECTS OF OVEREXPOSURE - INGESTION: NOT EXPECTED IN INDUSTRIAL USE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: THERE ARE NO DATA AVAILABLE WHICH ADDRESS MEDICAL CONDITIONS WHICH ARE GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

ADDITIONAL HEALTH HAZARD DATA: THE FOLLOWING HUMAN HEALTH HAZARDS APPLY ONLY TO THE PRODUCT AS PACKAGED. PLEASE REVIEW THE DISCUSSION OF HAZARDS ASSOCIATED WITH CURE AND/OR HYDROLYSIS BY-PRODUCTS ALSO LOCATED IN THIS SECTION OF THE MSDS.

SECTION 04: FIRST AID MEASURES

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. GOT 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. GOT MEDICAL ATTENTION.

EMERGENCY FIRST AID PROCEDURES - INGESTION: NOT APPLICABLE

SECTION 05: FIRE-FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES: AS IN ANY FIRE, PREVENT HUMAN NON-ESSENTIAL PERSONNEL FROM THE FIRE AREA. FIRE FIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM TYPE EXTINGUISHING MEDIA.

UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS IS A PASTE LIKE MATERIAL THAT WILL BURN WITH A LAZY SMOLDERING TYPE FLAME. FLAMMABLE VAPORS MAY ACCUMULATE IN THE CONTAINER HEADSPACE ON FORMATION OF HYDROLYSIS BY-PRODUCTS.

HMIS CODES:

HMIS REACTIVITY CODE = 1
HMIS HEALTH CODE = 3
HMIS FLAMMABILITY CODE = 1
HMIS PERSONAL PROTECTION CODE = G

NFPA CODES:

NFPA FLAMMABILITY CODE = 1
NFPA REACTIVITY CODE = 1

FLASH POINT TEXT: NOT APPLICABLE

SECTION 5 - OTHER INFORMATION: LEL: NOT APPLICABLE // UEL: NOT APPLICABLE

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: MAKE SURE ALL PERSONNEL INVOLVED IN THE SPILL CLEANUP FOLLOW GOOD INDUSTRIAL HYGIENE PRACTICES (REFER TO SECTION VIII: INDUSTRIAL HYGIENE). ANY PERSON ENTERING EITHER A SIGNIFICANT SPILL AREA OR AN UNKNOWN CONCENTRATION OF VAPOR OR AEROSOL SHOULD USE A POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS OR A POSITIVE-PRESSURE, SUPPLIED-AIR RESPIRATOR WITH ESCAPE PACK. // SMALL NIOSH-APPROVED RESPIRATOR WITH DUST, MIST AND FUME FILTER TO PREVENT INHALATION EXPOSURE. WEAR PROTECTIVE CLOTHING TO PREVENT SKIN AND EYE

CONTACT. USE THE FOLLOWING PROCEDURES: ABSORB SPILL WITH SAND OR FULLER'S EARTH. SWEEP UP AND PLACE IN AN APPROPRIATE CHEMICAL WASTE CONTAINER. FLUSH SPILL AREA WITH WATER. OBSERVE ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING DISPOSAL, SPILL, CLEANUP, REMOVAL OR DISCHARGE.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL, DRY, WELL VENTILATED AREA. EXERCISE DUE CAUTION TO PREVENT DAMAGE TO THE CONTAINER. OPEN CONTAINER WITH CARE. FLAMMABLE VAPORS MAY BE PRESENT IN THE CONTAINER HEADSPACE AS A RESULT OF THE FORMATION OF HYDROLYSIS BY-PRODUCTS.

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 POTENTIAL.

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 GENERATE AIRBORNE CONTAMINATION, THESE PROCESSING OPERATIONS SHOULD BE 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 NIOSH GUIDELINES. // NOTE: 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 REMOTE CONTROL OPERATION.

SECTION 8 - OTHER INFORMATION: THE RECOMMENDATIONS DESCRIBED IN THIS SECTION ARE PROVIDED AS GENERAL GUIDANCE FOR MINIMIZING EXPOSURE WHEN HANDLING THIS PRODUCT. BECAUSE USE CONDITIONS WILL VARY DEPENDING UPON CUSTOMER APPLICATIONS, SPECIFIC SAFE HANDLING PROCEDURES SHOULD BE EQUIPPED. DURING THE DEVELOPMENT OF SAFE HANDLING PROCEDURES, CONSIDERATION SHOULD BE GIVEN TO THE NEED FOR CLEANING OF EQUIPMENT AND PIPING SYSTEMS TO RENDER THEM NONHAZARDOUS BEFORE MAINTENANCE AND REPAIR ACTIVITIES ARE PERFORMED. // 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. // 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.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEXT: NOT APPLICABLE

SPECIFIC GRAVITY VALUES: = 1.5200
SPECIFIC GRAVITY TEXT: WATER = 1

VAPOR DENSITY VALUES: = 3.4000
VAPOR DENSITY TEXT: AIR = 1
VAPOR PRESSURE TEXT: NOT APPLICABLE

PERCENT VOLATILE BY WEIGHT VALUES: = 3.0000

EVAPORATION RATE TEXT: (ETHER = 1): NOT APPLICABLE

SOLUBILITY IN WATER TEXT: NEGLIGIBLE

APPEARANCE: RED PASTE.

ODOR: AMMONIACAL ODOR.

SECTION 10: STABILITY & REACTIVITY

STABILITY - TEXT: STABLE AT AMBIENT TEMPERATURES AND ATMOSPHERIC PRESSURE.

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, CARBON MONOXIDE, CARBON DIOXIDE, FORMALDEHYDE AND VARIOUS HYDROCARBON FRAGMENTS.

SECTION 10 - OTHER INFORMATION: REACTS WITH ATMOSPHERIC MOISTURE TO FORM A CURED SEALANT, RELEASING CYCLOHEXYLAMINE UNTIL THE CURING PROCESS IS COMPLETE. KEEP CONTAINER CLOSED TO PREVENT EXPOSURE TO MOISTURE.

SECTION 11: TOXICOLOGICAL INFORMATION

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

CHRONIC EFFECTS: 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.

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

IN THE CONSTRUCTION OF PROCESS EQUIPMENT, STORAGE AND SHIPPING CONTAINERS. NOT RECOMMENDED FOR USE WITH ACRYLIC OR POLYCARBONATE SUBSTRATES.

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. NOTE: STATE AND LOCAL REGULATIONS MAY BE MORE STRINGENT THAN FEDERAL.

SECTION 13 - OTHER INFORMATION: DISPOSE OF EMPTY CONTAINERS ACCORDING

TO ANY APPLICABLE REGULATIONS UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT. NOTE: STATE AND LOCAL REGULATIONS MAY BE MORE STRINGENT REUSE CONTAINERS UNLESS PROPERLY RECONDITIONED.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME: NONE - NOT REGULATED.

HAZARD CLASS: NONE - NON-HAZARDOUS

U.N. CODE: NOT APPLICABLE

SECTION 14 - OTHER INFORMATION: TECHNICAL NAME(S) (172.203 (K)): NONE
// LABEL REQUIRED: NONE // HAZARDOUS SUBSTANCE RQ (NAME): NOT
APPLICABLE // INHALATION HAZARD (173.3A (B)): NOT APPLICABLE

SECTION 15 - OTHER INFORMATION: SARA: THIS MATERIAL RELEASES
CYCLOHEXYLAMINE UPON MOISTURE CURING. CYCLOHEXYLAMINE IS INCLUDED ON
THE SARA SECTION 335 EXTREMELY HAZARDOUS SUBSTANCES LIST, WITH A
REPORTABLE QUANTITY (RQ) OF ONE POUND. THEREFORE, AN OFF-SITE (OUTSIDE
THE BOUNDARIES OF THE FACILITY) SPILL RELEASE MIGHT REQUIRE
NOTIFICATION TO THE PROPER AUTHORITIES. // TSCA: THIS MATERIAL OR ITS
COMPONENTS ARE LISTED ON THE TSCA CHEMICAL SUBSTANCE INVENTORY AND IS
IN COMPLIANCE WITH ALL APPLICABLE RULES AND ORDERS. // SARA: THIS
MATERIAL DOES NOT CONTAIN ANY SUBSTANCES ON THE LIST OF TOXIC CHEMICALS
SUBJECT TO SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION
ACT OF 1986 (SARA TITLE III). // THIS MATERIAL OR ITS COMPONENTS ARE
LISTED ON THE CANADIAN DOMESTIC SUBSTANCE LIST (DSL). // CALIFORNIA
PROPOSITION 65: THIS MATERIAL CONTAINS THE FOLLOWING SUBSTANCES KNOWN
TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE EFFECTS:
TRACE AMOUNTS OF ARSENIC, BERYLLIUM, CADMIUM, CHROMIUM (VI), AND LEAD
CONTAINS THE FOLLOWING LISTED COMPONENTS: AMORPHOUS FUMED SILICA //
PENNSYLVANIA HAZARDOUS SUBSTANCE LIST; THIS MATERIAL CONTAINS THE
FOLLOWING LISTED COMPONENTS: AMORPHOUS FUMED SILICA, IRON OXIDE // NEW
JERSEY R-T-K HAZARDOUS SUBSTANCE LIST: THIS MATERIAL CONTAINS THE
FOLLOWING LISTED COMPONENTS: AMORPHOUS FUMED SILICA // HAZARDOUS
MATERIALS IDENTIFICATION SYSTEM (HMIS) (BASED ON CONTACT WITH
HYDROLYSIS/CURE BY-PRODUCT): HEALTH HAZARD: 3, FLAMMABILITY HAZARD 3,
REACTIVITY HAZARD - 0, PERSONAL PROTECTION H

SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: NOT APPLICABLE

*** END OF DATA SHEET ***