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MSDS

**Common Name:** DAP 100% SILICONE RUBBER SEALANT CLEAR, 684**Manufacturer:** DOW CORNING**MSDS Revision Date:** 1/23/2006**Grainger Item Number(s):** 5A463, 5A464, 5E077, 5E078, 5E082, 5E083**Manufacturer Model Number(s):**

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XIAMETER(R)

MATERIAL SAFETY DATA SHEET

XIAMETER(R\*)

VERSION: 1.3

REVISION DATE: 2006/01/23

DAP(R) 100% SILICONE RUBBER SEALANT CLEAR, 684

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY



DOW CORNING CORPORATION  
SOUTH SAGINAW ROAD  
MIDLAND, MICHIGAN 48686

24 HOUR EMERGENCY TELEPHONE: (989)496-5900  
CUSTOMER SERVICE: (989)496-6000  
PRODUCT DISPOSAL INFORMATION: (989)496-6315

CHEMTREC: (800)424-9300

MSDS NO.: 03301079

REVISION DATE: 2006/01/23

GENERIC DESCRIPTION: SILICONE ELASTOMER

PHYSICAL FORM: PASTE

COLOR: COLORLESS

ODOR: ACETIC ACID ODOR

NFPA PROFILE:

HEALTH: 2

FLAMMABILITY: 1

INSTABILITY/REACTIVITY: 0

NOTE: NFPA = NATIONAL FIRE PROTECTION ASSOCIATION

## 2. OSHA HAZARDOUS COMPONENTS



CAS NUMBER	WT %	COMPONENT NAME
17689-77-9	1.0 - 5.0	ETHYLTRIACETOXYSILANE
4253-34-3	1.0 - 5.0	METHYLTRIACETOXYSILANE

THE ABOVE COMPONENTS ARE HAZARDOUS AS DEFINED IN 29 CFR 1910.1200.

## 3. HAZARDS IDENTIFICATION



POTENTIAL HEALTH EFFECTS:

ACUTE EFFECTS:

EYE: DIRECT CONTACT MAY CAUSE MODERATE IRRITATION.

SKIN: MAY CAUSE MODERATE IRRITATION.

INHALATION: IRRITATES RESPIRATORY PASSAGES VERY SLIGHTLY.

ORAL: LOW INGESTION HAZARD IN NORMAL USE.

PROLONGED/REPEATED EXPOSURE EFFECTS:

SKIN: NO KNOWN APPLICABLE INFORMATION.

INHALATION: NO KNOWN APPLICABLE INFORMATION.

ORAL: NO KNOWN APPLICABLE INFORMATION.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: NO KNOWN APPLICABLE INFORMATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NO KNOWN APPLICABLE INFORMATION.

THE ABOVE LISTED POTENTIAL EFFECTS OF 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.

## 4. FIRST AID MEASURES



EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN:

REMOVE FROM SKIN AND WASH THOROUGHLY WITH SOAP AND WATER OR WATERLESS CLEANSER. GET MEDICAL ATTENTION IF IRRITATION OR OTHER ILL EFFECTS DEVELOP OR PERSIST.

INHALATION: NO FIRST AID SHOULD BE NEEDED.

ORAL: NO FIRST AID SHOULD BE NEEDED.

COMMENTS: TREAT ACCORDING TO PERSON'S CONDITION AND SPECIFICS OF EXPOSURE.

## 5. FIRE FIGHTING MEASURES



FLASH POINT: NOT APPLICABLE.

AUTOIGNITION TEMPERATURE: NOT DETERMINED.

FLAMMABILITY LIMITS IN AIR: NOT DETERMINED.

EXTINGUISHING MEDIA:

ON LARGE FIRES USE DRY CHEMICAL, FOAM OR WATER SPRAY. ON SMALL FIRES USE CARBON DIOXIDE (CO<sub>2</sub>), 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 HAZARDS: NONE.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL BREAKDOWN OF THIS PRODUCT 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.

## 6. ACCIDENTAL RELEASE MEASURES



CONTAINMENT/CLEAN UP:

OBSERVE ALL PERSONAL PROTECTION EQUIPMENT RECOMMENDATIONS DESCRIBED IN SECTIONS 5 AND 8. WIPE UP OR SCRAPE UP AND CONTAIN FOR SALVAGE OR DISPOSAL. CLEAN AREA AS APPROPRIATE SINCE SPILLED MATERIALS, EVEN IN SMALL QUANTITIES, MAY PRESENT A SLIP HAZARD. FINAL CLEANING MAY REQUIRE USE OF STEAM, SOLVENTS OR DETERGENTS. DISPOSE OF SATURATED ABSORBENT OR CLEANING MATERIALS APPROPRIATELY, SINCE SPONTANEOUS HEATING MAY OCCUR. 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.

NOTE:

SEE SECTION 8 FOR PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS. CALL (989)496-5900, IF ADDITIONAL INFORMATION IS REQUIRED.

## 7. HANDLING AND STORAGE



USE WITH ADEQUATE VENTILATION. PRODUCT EVOLVES ACETIC ACID (HOAC) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL HOAC WITHIN EXPOSURE GUIDELINES OR USE RESPIRATORY PROTECTION. AVOID EYE CONTACT.

KEEP CONTAINER CLOSED AND STORE AWAY FROM WATER OR MOISTURE.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



### COMPONENT EXPOSURE LIMITS:

CAS NUMBER	COMPONENT NAME	EXPOSURE LIMITS
17689-77-9	ETHYLTRIACETOXYSILANE	SEE ACETIC ACID COMMENTS.
4253-34-3	METHYLTRIACETOXYSILANE	SEE ACETIC ACID COMMENTS.

ACETIC ACID IS FORMED UPON CONTACT WITH WATER OR HUMID AIR. PROVIDE ADEQUATE VENTILATION TO CONTROL EXPOSURES WITHIN GUIDELINES OF OSHA PEL: TWA 10 PPM AND ACGIH TLV: TWA 10 PPM, STEL 15 PPM.

### ENGINEERING CONTROLS:

LOCAL VENTILATION: NONE SHOULD BE NEEDED.

GENERAL VENTILATION: RECOMMENDED.

### PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING:

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

### SKIN:

WASH AT MEALTIME AND END OF SHIFT. CONTAMINATED CLOTHING AND SHOES SHOULD BE REMOVED AS SOON AS PRACTICAL AND THOROUGHLY CLEANED BEFORE REUSE. CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED.

SUITABLE GLOVES: SILVER SHIELD(R). 4H(R).

INHALATION: NO RESPIRATORY PROTECTION SHOULD BE NEEDED.

SUITABLE RESPIRATOR: NONE SHOULD BE NEEDED.

### PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS:

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

### SKIN:

WASH AT MEALTIME AND END OF SHIFT. CONTAMINATED CLOTHING AND SHOES SHOULD BE REMOVED AS SOON AS PRACTICAL AND THOROUGHLY CLEANED BEFORE REUSE. CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED.

INHALATION/SUITABLE RESPIRATOR: NO RESPIRATORY PROTECTION SHOULD BE NEEDED.

PRECAUTIONARY MEASURES: AVOID EYE CONTACT. USE REASONABLE CARE.

### COMMENTS:

PRODUCT EVOLVES ACETIC ACID (HOAC) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL HOAC WITHIN EXPOSURE GUIDELINES OR

USE RESPIRATORY PROTECTION.

NOTE:

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING. USE AT ELEVATED TEMPERATURE OR AEROSOL/SPRAY APPLICATIONS MAY REQUIRE ADDED PRECAUTIONS.

## 9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL FORM: PASTE

COLOR: COLORLESS

ODOR: ACETIC ACID ODOR

SPECIFIC GRAVITY @ 25 DEG. C: 1.04

VISCOSITY: NOT DETERMINED.

FREEZING/MELTING POINT: NOT DETERMINED.

BOILING POINT: NOT DETERMINED.

VAPOR PRESSURE @ 25 DEG. C: NOT DETERMINED.

VAPOR DENSITY: NOT DETERMINED.

SOLUBILITY IN WATER: NOT DETERMINED.

PH: NOT DETERMINED.

VOLATILE CONTENT: NOT DETERMINED.

NOTE:

THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS.

## 10. STABILITY AND REACTIVITY



CHEMICAL STABILITY: STABLE.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

CONDITIONS TO AVOID: NONE.

MATERIALS TO AVOID:

OXIDIZING MATERIAL CAN CAUSE A REACTION. WATER, MOISTURE, OR HUMID AIR CAN CAUSE HAZARDOUS VAPORS TO FORM AS DESCRIBED IN SECTION 8.

## 11. TOXICOLOGICAL INFORMATION



SPECIAL HAZARD INFORMATION ON COMPONENTS: NO KNOWN APPLICABLE INFORMATION.

## 12. ECOLOGICAL INFORMATION



ENVIRONMENTAL FATE AND DISTRIBUTION:

COMPLETE 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)	HIGH	MEDIUM	LOW
ACUTE AQUATIC TOXICITY (MG/L)	<=1	>1 AND <=100	>100
ACUTE TERRESTRIAL TOXICITY	<=100	>100 AND <=2000	>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 ABOVE. PLEASE READ THE OTHER INFORMATION  
PRESENTED IN THE SECTION CONCERNING THE OVERALL ECOLOGICAL SAFETY OF THIS  
MATERIAL.

### 13. DISPOSAL CONSIDERATIONS



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

STATE OR LOCAL LAWS MAY IMPOSE ADDITIONAL REGULATORY REQUIREMENTS REGARDING  
DISPOSAL.

CALL (989)496-6315, IF ADDITIONAL INFORMATION IS REQUIRED.

### 14. TRANSPORT INFORMATION



DOT ROAD SHIPMENT INFORMATION (49 CFR 172.101): NOT SUBJECT TO DOT.

OCEAN SHIPMENT (IMDG): NOT SUBJECT TO IMDG CODE.

AIR SHIPMENT (IATA):

NOT SUBJECT TO IATA REGULATIONS.

CALL DOW CORNING TRANSPORTATION, (989)496-8577, IF ADDITIONAL INFORMATION IS  
REQUIRED.

### 15. REGULATORY INFORMATION



CONTENTS OF THIS MSDS COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD 29  
CFR 1910.1200.

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 (40 CFR 355): NONE.

SECTION 304 CERCLA HAZARDOUS SUBSTANCES (40 CFR 302): NONE.

## SECTION 311/312 HAZARD CLASS (40 CFR 370):

ACUTE: YES  
CHRONIC: NO  
FIRE: NO  
PRESSURE: NO  
REACTIVE: NO

## SECTION 313 TOXIC CHEMICALS (40 CFR 372):

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 WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65) AS BEING KNOWN TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NONE KNOWN.

## MASSACHUSETTS:

CAS NUMBER	WT %	COMPONENT NAME
7631-86-9	7.0 - 13.0	SILICA, AMORPHOUS

## NEW JERSEY:

CAS NUMBER	WT %	COMPONENT NAME
70131-67-8	>60.0	DIMETHYL SILOXANE, HYDROXY-TERMINATED
7631-86-9	7.0 - 13.0	SILICA, AMORPHOUS
17689-77-9	1.0 - 5.0	ETHYLTRIACETOXYSILANE
4253-34-3	1.0 - 5.0	METHYLTRIACETOXYSILANE

## PENNSYLVANIA:

CAS NUMBER	WT %	COMPONENT NAME
70131-67-8	>60.0	DIMETHYL SILOXANE, HYDROXY-TERMINATED
7631-86-9	7.0 - 13.0	SILICA, AMORPHOUS

## 16. OTHER INFORMATION



PREPARED BY: DOW CORNING CORPORATION

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

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