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**Common Name:** DAP 8641 SILICONE SEALANT CLEAR

**Manufacturer:** DOW CORNING

**MSDS Revision Date:** 1/26/2011

**MSDS Format:** No Format Specified

**Grainger Item Number(s):** 5A463

**Manufacturer Model  
Number(s):**

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XIAMETER (R\*)

FROM DOW CORNING

MATERIAL SAFETY DATA SHEET

XIAMETER (R)

DAP (R) 8641 SILICONE SEALANT CLEAR

VERSION: 1.8

REVISION DATE: 2011/01/26

## 1. PRODUCT AND COMPANY IDENTIFICATION

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.: 04108349

GENERIC DESCRIPTION: SILICONE ELASTOMER

PHYSICAL FORM: PASTE

COLOR: COLORLESS

ODOR: ACETIC ACID ODOR

REVISION DATE: 2011/01/26

NFPA PROFILE:

HEALTH	1
FLAMMABILITY	1
INSTABILITY/REACTIVITY	0

NOTE:

NFPA = NATIONAL FIRE PROTECTION ASSOCIATION

## 2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

ACUTE EFFECTS:

EYE: DIRECT CONTACT MAY CAUSE MILD IRRITATION.

SKIN: MAY CAUSE MILD IRRITATION.

INHALATION:

MATERIAL IS NOT LIKELY TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. HOWEVER, IF MATERIAL IS HEATED OR HIGH VAPOR CONCENTRATION IS ATTAINED, CENTRAL NERVOUS SYSTEM DEPRESSION MAY OCCUR, WHICH IS CHARACTERIZED BY DROWSINESS, DIZZINESS, CONFUSION OR LOSS OF COORDINATION.

ORAL: LOW INGESTION HAZARD IN NORMAL USE.

PROLONGED/REPEATED EXPOSURE EFFECTS:

SKIN:

REPEATED OR PROLONGED CONTACT MAY CAUSE DEFATTING AND DRYING OF SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

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.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS NUMBER	WT %	COMPONENT NAME
64742-46-7	15.0 - 35.0	HYDROTREATED MIDDLE PETROLEUM DISTILLATES
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.

### **4. FIRST AID MEASURES**

EYE:

IMMEDIATELY FLUSH THE CONTAMINATED EYE(S) WITH LUKEWARM, GENTLY FLOWING WATER FOR 5 MINUTES WHILE HOLDING THE EYELID(S) OPEN. OBTAIN MEDICAL ATTENTION.

SKIN:

REMOVE CONTAMINATED CLOTHING, SHOES AND LEATHER GOODS (E.G. WATCHBANDS, BELTS). QUICKLY AND GENTLY BLOT OR BRUSH AWAY EXCESS CHEMICAL. FLUSH WITH LUKEWARM GENTLY FLOWING WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, REPEAT FLUSHING. IF IRRITATION PERSISTS, OBTAIN MEDICAL ADVICE.

INHALATION:

IF SYMPTOMS ARE EXPERIENCED REMOVE SOURCE OF CONTAMINATION OR MOVE VICTIM TO FRESH AIR. IF IRRITATION PERSISTS, OBTAIN MEDICAL ADVICE.

ORAL: IF IRRITATION OR DISCOMFORT OCCUR, OBTAIN MEDICAL ADVICE.

NOTES TO PHYSICIAN:

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.

## **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 ABSORBANT 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.

## **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. AVOID SKIN CONTACT. AVOID BREATHING VAPOR, MIST, DUST, OR FUMES. KEEP CONTAINER CLOSED.

USE REASONABLE CARE AND STORE AWAY FROM OXIDIZING MATERIALS. KEEP CONTAINER

CLOSED AND STORE AWAY FROM WATER OR MOISTURE. THIS MATERIAL IN ITS FINELY DIVIDED FORM PRESENTS AN EXPLOSION HAZARD. FOLLOW NFPA 654 (FOR CHEMICAL DUSTS) OR 484 (FOR METAL DUSTS) AS APPROPRIATE FOR MANAGING DUST HAZARDS TO MINIMIZE SECONDARY EXPLOSION POTENTIAL.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### COMPONENT EXPOSURE LIMITS:

CAS NUMBER	COMPONENT NAME	EXPOSURE LIMITS
64742-46-7	HYDROTREATED MIDDLE PETROLEUM DISTILLATES	OSHA PEL (FINAL RULE) AND ACGIH TLV FOR OIL MISTS: TWA: 5 MG/M3.
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: RECOMMENDED.  
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:  
AVOID SKIN CONTACT BY IMPLEMENTING GOOD INDUSTRIAL HYGIENE PRACTICES AND PROCEDURES. SELECT AND USE GLOVES AND/OR PROTECTIVE CLOTHING TO FURTHER MINIMIZE THE POTENTIAL FOR SKIN CONTACT. CONSULT WITH YOUR GLOVE AND/OR PERSONNEL PROTECTIVE EQUIPMENT MANUFACTURER FOR SELECTION OF APPROPRIATE COMPATIBLE MATERIALS.

INHALATION:  
USE RESPIRATORY PROTECTION UNLESS ADEQUATE LOCAL EXHAUST VENTILATION IS PROVIDED OR EXPOSURE ASSESSMENT DEMONSTRATES THAT EXPOSURES ARE WITHIN RECOMMENDED EXPOSURE GUIDELINES. IH PERSONNEL CAN ASSIST IN JUDGING THE

ADEQUACY OF EXISTING ENGINEERING CONTROLS.

SUITABLE RESPIRATOR:

RESPIRATORY PROTECTION IS NOT NEEDED UNDER AMBIENT CONDITIONS. IF VAPOR IS GENERATED WHEN MATERIAL IS HEATED OR HANDLED, THE FOLLOWING IS ADVISED. GENERAL AND LOCAL EXHAUST VENTILATION IS RECOMMENDED TO MAINTAIN VAPOR EXPOSURES BELOW RECOMMENDED LIMITS. WHERE CONCENTRATIONS ARE ABOVE RECOMMENDED LIMITS OR ARE UNKNOWN, APPROPRIATE RESPIRATORY PROTECTION SHOULD BE WORN. FOLLOW OSHA RESPIRATOR REGULATIONS (29 CFR 1910.134) AND USE NIOSH/MSHA APPROVED RESPIRATORS.

PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS:

EYES: USE FULL FACE RESPIRATOR.

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:

RESPIRATORY PROTECTION RECOMMENDED. FOLLOW OSHA RESPIRATOR REGULATIONS (29 CFR 1910.134) AND USE NIOSH/MSHA APPROVED RESPIRATORS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS AGAINST EXPOSURE TO ANY HAZARDOUS CHEMICAL IS LIMITED. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE UNKNOWN, OR ANY OTHER CIRCUMSTANCE WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

PRECAUTIONARY MEASURES:

AVOID EYE CONTACT. AVOID SKIN CONTACT. AVOID BREATHING VAPOR, MIST, DUST, OR FUMES. KEEP CONTAINER CLOSED. 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: 0.96

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.

FLASH POINT: NOT APPLICABLE.

AUTOIGNITION TEMPERATURE: NOT DETERMINED.

FLAMMABILITY LIMITS IN AIR: 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.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL BREAKDOWN OF THIS PRODUCT DURING FIRE OR VERY HIGH HEAT CONDITIONS MAY EVOLVE THE FOLLOWING DECOMPOSITION PRODUCTS:

CARBON OXIDES AND TRACES OF INCOMPLETELY BURNED CARBON COMPOUNDS. SILICON DIOXIDE. FORMALDEHYDE.

## **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.

### **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.

### **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: NO

CHRONIC: NO

FIRE: NO

PRESSURE: NO

REACTIVE: NO

SECTION 313 TOXIC CHEMICALS (40 CFR 372):

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

NOTE:

CHEMICALS ARE LISTED UNDER THE 313 TOXIC CHEMICALS SECTION ONLY IF THEY MEET OR EXCEED A REPORTING THRESHOLD.

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	5.0 - 10.0	SILICA, AMORPHOUS

NEW JERSEY:

CAS NUMBER	WT %	COMPONENT NAME
70131-67-8	55.0 - 75.0	DIMETHYL SILOXANE, HYDROXY-TERMINATED
64742-46-7	15.0 - 35.0	HYDROTREATED MIDDLE PETROLEUM DISTILLATES
7631-86-9	5.0 - 10.0	SILICA, AMORPHOUS
17689-77-9	1.0 - 5.0	ETHYLTRIACETOXYSILANE
4253-34-3	1.0 - 5.0	METHYLTRIACETOXYSILANE

PENNSYLVANIA:

CAS NUMBER	WT %	COMPONENT NAME
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70131-67-8	55.0 - 75.0	DIMETHYL SILOXANE, HYDROXY-TERMINATED
64742-46-7	15.0 - 35.0	HYDROTREATED MIDDLE PETROLEUM DISTILLATES
7631-86-9	5.0 - 10.0	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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