

02 BCTO10
100% Silicone caulk/sealant

MATERIAL SAFETY DATA SHEET

Caulk, Pure Silicone Sealant

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

MANUFACTURED FOR:
DAP INC.
2400 Boston Street
Baltimore MD 21224

24 HOUR EMERGENCY:
TRANSPORTATION: 1-800-535-5053
MEDICAL : 1-800-327-3674

PREPARE DATE : 7/8/2002
REVISION NO. : 0
REVISION DATE: 7/8/2002

GENERAL INFORMATION:
DAP INC. : 1-888-DAP-TIPS (1-888-327-8477)

DAP MSDS No.: 00008641
DAP UPC NUMBER: 7079808641

Product name: DAP 100% Silicone Rubber Sealant Clear, 8641
Generic Description: Silicone elastomer
Physical Form: Paste
Color: Colorless
Odor: Acetic acid odor

NFPA Profile: Health 1 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

SECTION 2 - OTHER HAZARDOUS COMPONENTS

CAS Number	Wt %	Component Name
4259-94-3	1.0-5.0	Methyltriacetoxysilane
17688-77-9	1.0-5.0	Ethyltriacetoxysilane

The above components are hazardous as defined in 29 CFR 1910.1200

SECTION 3 - EFFECTS OF OVEREXPOSURE

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.

(Continued on Page 2)

Date copied and
placed into MSDS.
06/18/03

Product Name: DAP 100% Silicone Rubber Sealant Clear, 8641
Revision Date: 7/9/2002

Page 2

SECTION 3 - EFFECTS OF OVEREXPOSURE

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 Condition 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.

SECTION 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.

SECTION 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 fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

(Continued on Page 3)

Product Name: DAP 100% Silicone Rubber Sealant Clear, 8641

Revision Date: 7/9/2002

Page 3

SECTION 5 - FIRE FIGHTING MEASURES

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 of very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Silicon dioxide.

SECTION 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 some silicone 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 release 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 (888) 493-6500, if additional information is required.

SECTION 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.

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

(Continued on Page 4)

Product Name: DAP 100% Silicone Rubber Sealant Clear, R641
Revision Date: 7/8/2002

Page 4

SECTION 7 - HANDLING AND STORAGE

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits

CAS Number	Component Name	Exposure Limits
4253-34-3	Methyltriacetoxysilane	See acetic acid comments.
17686-77-9	Ethyltriacetoxysilane	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(A), 4H(A).

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. Avoid skin contact. Use reasonable care.

(Continued on Page 5)

Product Name: DHP 100% Silicone Rubber Sealant Clear, 8641
Revision Date: 7/8/2002

Page 6

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Paste
Color: Colorless
Odor: Acetic acid odor
Specific Gravity @ 25°C: 1.024
Viscosity: Not Determined.
Freezing/Melting Point: Not Determined.
Boiling Point: Not Determined.
Vapor Pressure @ 25°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.

SECTION 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.

(Continued on Page 6)

Product Name: DAP 100% Silicone Rubber Sealant Clear, 8641
Revision Date: 7/8/2002

Page 6

SECTION 10 - STABILITY AND REACTIVITY

SECTION 11 - TOXICOLOGICAL INFORMATION

No known applicable information.

SECTION 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 High	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM SRP 1179, p.34 1993.

This table can be used to classify the ecotoxicity of this product when acute toxicity data is limited above. Please read the other information presented in the section concerning the overall ecological safety of this material.

SECTION 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 (800) 496-6315, if additional information is required.

(Continued on Page 7)

Product Name: DAF 100% Silicone Rubber Sealant Clear, 8641
Revision Date: 7/6/2002

Page 7

SECTION 13 - DISPOSAL CONSIDERATIONS

SECTION 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.

SECTION 15 - REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TCSA Status: All chemicals 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 304 CERCLA Hazardous Substances:
None.

Section 312 Hazard Class:

Acute: Y
Chronic: N
Fire: N
Pressure: N
Reactive: N

Section 313 Toxin Chemicals:

None present or none present in regulated quantities.

(Continued on Page 8)

Product Name: DAP 100% Silicone Rubber Sealant Clear, 8641
Revision Date: 7/0/2002

Page 9

SECTION 15 - REGULATORY INFORMATION

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
70131-67-0	>60.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0-13.0	Silica, amorphous
4253-34-3	1.0-5.0	Methyltriacetoxysilane
17689-77-9	1.0-5.0	Ethyltriacetoxysilane

Pennsylvania

CAS Number	WT%	Component Name
70131-67-0	>60.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0-13.0	Silica, amorphous

SECTION 16 - OTHER INFORMATION

(Continued on Page 8)

Product Name: DAP 100% Silicone Rubber Sealant (Clear, 664)

Revision Date: 7/8/2002

Page 8

SECTION 16 - OTHER INFORMATION

Prepared by: Dow Corning Corporation

These data are offered in good faith as typical values and not as a product specification. 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 the recommendations in specific context of the intended use and determine if they are appropriate.

 < End OF MSDS >