

POLYMERIC SYSTEMS, INC. -- PSI-690 SILICONE SEALANT (HI-TEMP), 1 OF 2 -- 8040-00-941-9984

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Product Identification  
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Product ID:PSI-690 SILICONE SEALANT (HI-TEMP), 1 OF 2

MSDS Date:02/21/1995

FSC:8040

NIIN:00-941-9984

Kit Part:Y

MSDS Number: BZLJC

=== Responsible Party ===

Company Name:POLYMERIC SYSTEMS, INC.

Address:WHEATLAND AND MASON STREETS

City:PHOENIXVILLE

State:PA

ZIP:19460

Country

:US

Info Phone Num:215-935-1170 GOVT/RITA 404-331-5855

Emergency Phone Num:215-935-1170

Preparer's Name:E. F. CLUFF

CAGE:0KND3

=== Contractor Identification ===

Company Name:POLYMERIC SYSTEMS, INC.

Address:723 WHEATLAND STREET

Box:City:PHOENIXVILLE

State:PA

ZIP:19460

Country:US

Phone:610-935-1170

CAGE:0KND3

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Composition/Information on Ingredients  
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Ingred Name:METHYLTRACETOXYSILANE

CAS:4253-34-3

RTECS #:VV4500000

Fraction by Wt: 2-6%

Other REC Limits:NONE SPECIFIED

OSHA PEL:NOT EST.  
ACGIH TLV:NOT EST.

Ingred Name:ETHYLTRIACETOXYSILANE  
CAS:17689-77-9  
Fraction by Wt: 2-6%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT EST.  
ACGIH TLV:NOT EST.

Ingred Name:VOC: 0.4 LB/GL; 40 G/L  
RTECS #:9999999VO  
Fraction by Wt: NOT ES.  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT EST.  
ACGIH TLV:NOT EST.

Ingred Name:DIHYDROXPOLYDIMETHYLSILOXANE (NONHAZ)  
CAS:70131-67-8  
Fraction by Wt: NA  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYDIMETHYL SILOXANE (NONHAZ)  
CAS:9016-00-  
6  
RTECS #:TQ2690000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMORPHOUS SILICA, FUMED (NONHAZ)  
CAS:112945-52-5  
RTECS #:VV7310000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:80 MG/M3  
ACGIH TLV:NOT EST.

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: SEVERE IRRITATION TO  
RESPIRATORY TRACT, PULMONARY EDEMA, EYE LACRIMATIO

N, CORNEAL EDEMA,  
SKIN IRRITATION AND DERMATITIS. CHRONIC: BRONCHITIS, LARYNGITIS,  
DERMATITIS, CONJUNCTIVITIS.

Effects of Overexposure:IRRITATION TO SKIN, EYES AND MUCOUS  
MEMBRANES.MAY CAUSE DISCOMFORT, TEARING, CHOKING OR BURNING  
SENSATION.

Medical Cond Aggravated by Exposure:RESPIRATORY, EYE AND SKIN  
DISORDERS.

===== First Aid Measures =====

First Aid:REMOVE TO FRESH AIR. WASH SKIN WITH SOAP AND WATER. FLUSH  
EYES WITH WATER FOR AT  
LEAST 15 MINUTES.

===== Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:>400F,>204C

Extinguishing Media:WATER SPRAY, CO2, DRY CHEMICAL, FOAM, SAND.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS  
OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:TOXIC GASES AND AEROSOLS MAY BE PRODUCED  
BY COMBUSTION (CO AND SIO2).

===== Accidental Release Measures =====

Spill Release Procedur

es:PRODUCT RELEASES ACETIC ACID WHEN MIX W/AIR.

PROVIDE ADEQUATE VENTILATION. WEAR PROPER PROTECTIVE EQUIPMENT IF  
HANDLING LARGE AMOUNTS. TRANSFER TO A WASTE CONTAINER. LET CURE TO  
SOLID RUBBER, ALLOWING ALL LIBERATED ACETIC ACID TO DISSIPATE.

Neutralizing Agent:AQUEOUS SODIUM BICARBONATE

===== Handling and Storage =====

Handling and Storage Precautions:AVOID PROLONGED SKIN CONTACT.  
LIBERATED ACETIC ACID VAPORS CAUSE IRRITATION TO SKIN, EYES  
AND  
BRONCHIAL TISSUES. DO NOT INGEST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF USED IN CLOSED SPACE WHERE VENTILATION IS  
INADEQUATE, USE A CHEMICAL CARTRIDGE RESPIRATOR WITH FULL FACE  
PIECE AND ORGANIC VAPOR CARTRIDGES (NIOSH/MSHA APPROVED) TO PROTECT  
AGAINST ACETIC ACID VAPO RS.

Ventilation:RECOMMENDED 10 CHANGES PER HOUR.

Protective Gloves:DISPOSABLE PLASTIC.

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE

Wor

k Hygienic Practices:WASH BEFORE EATING, DRINKING OR SMOKING. DO NOT RUB EYES WHILE WORKING WITH SEALANT.

Supplemental Safety and Health

KEY1: N1. THIS ENTRY DESCRIBES PART 1 OF A TWO PART KIT. SEE THIS SAME NSN, P/N IND C, FOR PART 2 DATA.

===== Physical/Chemical Properties =====

HCC:F4

Decomp Temp:Decomp Text:>400F,>204C

Vapor Pres:< 5

Vapor Density:2.07

Spec Gravity:1.04

pH:3-5

Solubility in Water:MODERATE

Appearance and Odor:THICK PASTE, VINEGARLIKE ODOR

Percent Volatiles by Volume:4-7

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID PROLONGED CONTACT WITH MOISTURE DURING STORAGE.

Hazardous Decomposition Products:ACETIC ACID FROM MOISURE CONTACT. CO AND VOLATILE ORGANICS AND SILICA AEROSOLS FROM THERMAL DEGRADATION.

===== Disposal Considerations =====

Waste Disposal Methods:NOT AN EPA HAZARDOUS WASTE. DISPOSE OF IN ACCORDANCE WITH APPROPRIATE GOVERNAMENTAL REGULATIONS.

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