

POLYMERIC SYSTEMS, INC. -- PSI-601 SILICONE SEALANT -- 8040-00-865-8991

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Product Identification  
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Product ID:PSI-601 SILICONE SEALANT  
MSDS Date:12/14/1990  
FSC:8040  
NIIN:00-865-8991  
Kit Part:Y  
MSDS Number: BMQHH  
=== 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:ED 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:METHYLTRIACTOXYSILANE  
CAS:4253-34-3  
RTECS #:VV4500000  
Fraction by Wt: 2-6%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ETHYLTRIACTOXYSILANE  
CAS:

17689-77-9

Fraction by Wt: 2-6%

Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 0.4 LBS/GAL; 40 GRAMS/LITER

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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===== 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 LACRIMATION, CORNEAL EDEMA;  
SKIN IRRITATION AND DER

MATITIS. CHRONIC: BRONCHITIS, LARYNGITIS;

DERMATITIS; CONJUNCTIVITIS.

Explanation of Carcinogenicity:NOT CARCINOGENIC

Effects of Overexposure:IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES.

MAY CAUSE DISCOMFORT, TEARING, CHOKING OR BURNING SENSATION.

Medical Cond Aggravated by Exposure:RESPIRATORY, SKIN OR EYE DISEASES.

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

First Aid:REMOVE TO FRESH AIR. WASH SKIN WITH SOAP AND WATER. FLUSH

EYES WITH WATER FOR AT LEAST

15 MINUTES.

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

Flash Point Method:CC

Flash Point:>400F,>204C

Extinguishing Media:WATER SPRAY, CO2, DRY CHEMICALS, 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).

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

Spill Release Procedures:MAT

ERIAL RELEASES ACETIC ACID ON EXPOSURE TO AIR. PROVIDE ADEQUATE VENTILATION DURING CLEAN UP. WEAR PROPER PROTECT EQUIPMENT IF HANDLING LARGE AMOUNTS. TRANSFER TO WASTE CONTAINER. LET CURE TO SOLID RUBBER, LET ALL LIBERATED ACETIC ACID 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.

Other Precautions:NONE

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

Respiratory Protection:IN CLOSED SPACE WITH INADEQUATE VENTILATION USE CHEMICAL CARTRIDGE RESPIRATOR WITH FULL FACE PIECE & ORGANIC VAPOR CARTRIDGE (NIOSH/MSHA APPROVED) TO PROTECT AGAINST ACETIC ACID VAPORS.

Ventilation:RECOMMENDED 10 AIR CHANGES PER HOUR

Protective Gloves:DISPOSABLE PLASTIC

Eye Protection:SAFETY GLASSES

Other Protective Equipm  
ent:NONE

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

Supplemental Safety and Health

KEY1:C3. THIS ENTRY DESCRIBES PART 1 OF A TWO PART KIT. SEE THIS SAME NSN, P/N IND B, FOR PART 2 DATA.

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

HCC:N1

Decomp Temp:Decomp Text:>752F,>400C

Vapor Pres:< 5 MM

Vapor Density:2.07

Spec Gravity:1.05

pH:3-5

Viscosity:10-20000POISE

Solubility in Water:MODERATE

Appearance

and Odor:THICK PASTE, VINEGAR LIKE ODOR, BLACK  
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 MOISTURE CONTACT. CO  
AND VOLATILE ORGANICS AND SILICA AEROSOLS FROM THERMAL DEGRADATION.

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

Waste Disposal Methods:NOT AN EPA HAZARDO

US WASTE. DISPOSE OF IN

ACCORDANCE WITH APPROPRIATE GOVERNMENTAL REGULATIONS.

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