

POLYMERIC SYSTEMS, INC. -- PSI-690 PRIMER -- 8040-01-010-8758

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===== Product Identification =====

Product ID:PSI-690 PRIMER

MSDS Date:12/14/1990

FSC:8040

NIIN:01-010-8758

Kit Part:Y

MSDS Number: BMQKG

=== Responsible Party ===

Company Name:POLYMERIC SYSTEMS, INC.

Address:WHEATLAND & MASON STREETS

City:PHOENIXVILLE

State:PA

ZIP:19460

Country:US

Info Phone Num:215-935-1170

Emergency Phone Num:215-93

5-1170

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 =====

Ingred Name:ETHANOL

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 90%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM

Ingred Name:METHANOL

CAS:67-56-1

RTECS #:PC1400000

Fraction by

Wt: 4%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL POLYSILICATE  
CAS:68412-37-3  
Fraction by Wt: 2-4%  
Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 6.5 LBS/GAL; 780 GRAMS/LITER  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO  
IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MUCOUS MEMBRANE IRRITATION,  
DROWSINESS, PROSTRATION, NARCOSIS; SKIN IRRITATION; EYE IRRITATION.  
CHRONIC: DAMAGE TO LIVER, KIDNEY AND PERIPHERAL & OPTIC  
NERVE-JAUNDICE, EDEMA AND LOSS OF VISION.  
Effects of Overexposure:IRRITATION OF MUCOUS MEMBRANES, HEADACHE,  
DROWSINESS, FATIGUE, NARCOSIS.  
Medical Cond Aggravated by Exposure:EYE, SKIN AND RESPIRATORY DISORDERS  
AND IMPAIRED LIVER, KIDNEY AND OPTIC & PERIPHERAL NERVE FUNCT  
IONS  
MAY BE AGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:INHALE: REMOVE TO FRESH AIR. PROVIDE OXYGEN IF BREATHING IS  
DIFFICULT. SKIN: FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHING.  
EYE: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.  
INGESTION: DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR DROWSY.  
OTHERWISE, INDUCE VOMITING. GET MEDICAL ATTENTION.

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===== Fire Fighting Measu

res =====

Flash Point Method:CC

Flash Point:56.0F,13.3C

Autoignition Temp:Autoignition Temp Text:793F

Lower Limits:3.3

Upper Limits:19

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

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

Unusual Fire/Explosion Hazard:SMOKE MAY CONTAIN HCL AS WELL AS NORMAL PARTIAL OXIDATION PRODUCTS OF HYDROCARBON COMBUSTION.

===== Accidental Release Measures ==

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Spill Release Procedures:TAKE UP WITH ABSORBENT MATERIAL. STORE IN APPROPRIATE CONTAINER. AVOID PROLONGED INHALATION OF VAPOR OR CONTACT WITH LIQUID. WASH RESIDUES WITH LARGE AMOUNTS OF WATER.

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

Handling and Storage Precautions:AVOID IGNITION SOURCES: FLAME, SPARKS, EXTREME HEAT. STORE IN WELL VENTILATED AREA.

Other Precautions:KEEP CONTAINERS TIGHTLY CLOSED.

===== Exposure Controls/Person

al Protection =====

Respiratory Protection:IF LARGE AMOUNTS ARE USED IN A POORLY VENTILATED CLOSED SPACE, USE A CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE (NIOSH/MSHA APPROVED) TO PROTECT AGAINST ALCOHOL VAPORS.

Ventilation:LOCAL EXHAUST MAY BE REQUIRED IN CLOSED SPACES. RECOMMEND 10 CHANGES PER HOUR.

Protective Gloves:RUBBER OR POLYETHYLENE

Eye Protection:SAFETY GLASSES

Supplemental Safety and Health

===== Physical/Chemical Properties ==

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Boiling Pt:B.P. Text:165F,74C  
Melt/Freeze Pt:M.P/F.P Text:-130F,-90C  
Decomp Temp:Decomp Text:>752F,>400C  
Vapor Pres:42  
Vapor Density:1.8  
Spec Gravity:0.80  
pH:7  
Viscosity:2 CPS @ 20C  
Evaporation Rate & Reference:1.4 (BU AC=1)  
Solubility in Water:98%  
Appearance and Odor:COLORLESS LIQUID, PLEASANT ODOR  
Percent Volatiles by Volume:95

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

Stability Indicator/Materials to Avoid:YES  
NONE  
Stability Condition to Avoid  
:OPEN FLAMES, SPARKS, EXTREME HEAT  
Hazardous Decomposition Products:BY COMBUSTION: CO, HCL, AEROSOLS OF  
SILICA & TITANIA, INCOMPLETE COMBUSTION PRODUCTS.

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

Waste Disposal Methods:INCINERATE IN ACCORDANCE WITH FEDERAL, STATE &  
LOCAL REGULATIONS.

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