POLYMERIC SYSTEMS, INC. -- PSI-690 PRIMER -- 8040-00-902-3871

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

Product ID: PSI-690 PRIMER
MSDS Date: 06/04/1991
FSC: 8040
NIIN: 00-902-3871
Kit Part: Y
MSDS Number: BTSQV

=== 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
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

=============  Composition/Information on Ingredients  =============

Ingred Name: METHYL ISOBUTYL CARBINOL
CAS: 108-11-2
RTECS #: SA7350000
Fraction by Wt: 93%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: S, 25 PPM
ACGIH TLV: S, 25 PPM/40STEL; 9394

Ingred Name: ETHYL SILICATE
CAS: 68412-37-3
Fraction by Wt: 5%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM
ACGIH TLV: 10 PPM; 9394

Ingred Name: POLY(BUTYL TITANATE)
CAS: 9022-96-2
Fraction by Wt: 1%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM
ACGIH TLV: S: 50 PPM CEILING

=====================  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: IRRITATION AND ANESTHESIA.
CHRONIC: NONE.
Explanation of Carcinogenicity: EXPLANATION: NO.
Effects of Overexposure: IRRITATION OF EYES, SKIN AND UPPER RESPIRATORY TRACT.
Medical Cond Aggravated by Exposure: EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

======================== First Aid Measures ==========================
First Aid: EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-WASH WITH SOAP AND WATER. INHALATION-REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING DIFFICULT. INGESTION-WASH OUT MOUTH WITH WATER. CALL A PHYSICIAN.

====================== Fire Fighting Measures ==========================
Flash Point Method: TCC
Flash Point: 103°F, 39°C
Autoignition Temp: Autoignition Temp Text: NIF
Lower Limits: 1
Upper Limits: 5.5
Extinguishing Media: CARBON DIOXIDE,, DRY CHEMICAL POWDER, ALCOHOL FOAM.
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard: VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO IGNITION SOURCE AND FLASH BACK.

================ Accidental Release Measures ========================
Spill Release Procedures: TAKE UP WITH ABSORBENT MATERIAL. STORE IN APPROPRIATE CONTAINER. AVOID PROLONGED INHALATION OF VAPOR OR CONTACT WITH LIQUID. WASH RESIDUE WITH LARGE AMOUNTS OF WATER.
Neutralizing Agent: WATER.

================ Handling and Storage ================================
Handling and Storage Precautions: AVOID IGNITION SOURCES: FLAME, SPARKS, EXTREME HEAT. KEEP CONTAINER TIGHTLY CLOSED.
Other Precautions: CONTAINS <1% METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE). FOR DISPOSAL, MATERIAL MAY BE INCINERATED WITH CARE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION.

============ Exposure Controls/Personal Protection ==============
Respiratory Protection: IF LARGE AMOUNTS ARE USED IN A POORLY VENTILATED SPACE, USE A CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE (MSHA AND NIOSH APPROVED) TO PROTECT AGAINST METHYL ISOBUTYL CARBINOL VAPORS.
Ventilation: LOCAL EXHAUST MAY BE REQUIRED IN CLOSED SPACES. RECOMMENDED 10 CHANGES PER HOUR.
Protective Gloves: DISPOSABLE PLASTIC FOR CONTINUED USE.
Eye Protection: SAFETY GLASSES.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

================== Physical/Chemical Properties =====================
HCC: F4
Boiling Pt: B.P. Text: 270°F, 132°C
Melt/Freeze Pt: M.P./F.P Text: -130°F, -90°C
Decomp Temp: Decomp Text: NIF
Vapor Pres: 3.7 MM
Vapor Density: 3.5
Spec Gravity: 0.80
pH: 7
Viscosity: 2 CPS
Evaporation Rate & Reference: >1 (N-BUTYL ACETATE=1)
Solubility in Water: 98%
Appearance and Odor: COLORLESS LIQUID. PLEASANT, SWEET ODOR.
Percent Volatiles by Volume: 96
Corrosion Rate: NIF

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

Stability Indicator/Materials to Avoid: YES
ACID CHLORIDES AND OXIDIZING AGENTS.
Stability Condition to Avoid: OPEN FLAMES, SPARKS AND EXTREME HEAT.
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,
   SILICA AND TITANIA FROM COMBUSTION.

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

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

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