Material Safety Data Sheet

Section 1: Product and Company Identification

Product Name: **PV 20- Part A Modified Urethane Primer**

Sold By: **PolyVers International**
87 Shawnee Avenue
Kansas City, KS 66105
913.321.9000

FOR CHEMICAL EMERGENCY Spill, leak, fire, exposure, or accident, call CHEMTREC day or night
Domestic North America **800.424.9300** International **703.527.3887**

Fax Phone: **913.321.1490**

Section 2: Composition / Information on Ingredients

Hazardous Components	CAS#	ACGIH TLV	OSHA PEL
Polymeric Diphenylmethanediisocyanate	9016-87-9		02 ppm Cei
Diphenylmethane 4,4'- diisocyanate	101-68-8		
Propylene carbonate	108-32-7		
Methylenediphenyl diisocyanate			

Section 3: Hazards Identification

Emergency Overview:

Routes of Entry:

Route	Entry Risk
Inhalation	Possible
Ingestion	Possible
Skin Contact	Possible
Eye Contact	Possible

Potential Health Effects:

Inhalation	May cause nausea and respiratory tract irritation. May cause respiratory sensitization in susceptible individuals.
Ingestion	No significant signs or symptoms of any adverse health hazard.
Skin Contact	Product is a slight skin irritant. May cause swelling and redness.
Eye Contact	Mild eye irritant. Vapors slightly uncomfortable. Splashes irritating and painful.

Acute Health Hazards: No information is available on the acute health hazards of this product. Based upon data from testing of similar products, no significant effects are expected.

Chronic Health Hazards: If misted or at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects.

Medical Conditions Generally Aggravated by Exposure: Skin and eye sensitization. Depending on individual skin sensitivity, chronic or prolonged exposure may result in irritation, blistering, burning and peeling of skin layers.

Carcinogenicity: OSHA: No data ACGIH: No data NTP: No data IARC: No data
Other:

Section 4: First Aid Measures

Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, seek medical attention.
Skin Contact:	Remove from skin immediately. Rinse with clean water for 20-30 minutes. Use soapy water if needed. If redness, itching, or a burning sensation develops, seek medical attention.
Ingestion:	Do NOT induce vomiting! Dilute with water and seek medical attention immediately.
Inhalation:	Move victim to fresh air immediately. Give oxygen and seek medical attention.

Section 5: Fire-Fighting Measures

Flammable Limits:	Not established
Flash Point, (Method Used):	>200° F (Pensky-Marten Closed)
Autoignition Temperature:	

NFPA Hazard Rating:

Health: 2	**Hazard Scale**	**Protective Equipment**
Flammability: 1	0=LEAST	A=SAFETY GLASSES
Reactivity: 1	1=SLIGHT	B=SAFETY GLASSES, GLOVES
Other: D	2=MODERATE	C=SAFETY GLASSES, GLOVES AND APRON
	3=HIGH	D= SAFETY GLASSES, GLOVES , APRON and RESPIRATOR
	4=EXTREME	

HMIS Hazard Rating:

Health: 2
Flammability: 1
Reactivity: 1
Protection: D

Extinguishing Media:	Foam/Carbon dioxide/Dry chemical/Water fog
Special Fire Fighting Procedures:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products exist.
Unusual Fire and Explosion Hazards:	Closed containers may rupture due to build-up of pressure when exposed to extreme heat.
Hazardous Decomposition Products:	

Section 6: Accidental Release Measures

Accidental Release Measures:	Avoid contact with material. Persons not wearing appropriate protective equipment should be excluded until the spill is cleaned up. Stop spill at source, pump liquid to salvage container. Remaining liquid may be taken up on clay, diatomaceous earth, or other absorbent. Treat with 3-8% concentration of ammonium hydroxide or 5-10% sodium carbonate. Add 10 parts neutralizing solution/part isocyanate. Let stand 48 hours.

Section 7: Handling and Storage

Handling & Storage Precautions:	Prevent all skin and eye contact. Avoid breathing vapors. Re-seal partially used containers. Wash with soap and water before eating or drinking. Protect from moisture contamination. Exothermic generation of carbon dioxide may cause dangerous pressure. Keep away from all ignitable sources as well as extreme heat. Don not expose to excessive moisture.

Section 8: Exposure Control/Personal Protection

Ventilation:	Adequate ventilation required. Local exhaust may be required in some areas. Special exhausting generally not required. Mechanical exhaust usually adequate.
Respiratory Protection:	Respiratory masks should be worn at all times when adequate ventilation does not exist. A NIOSH/MSHA respirator is acceptable.
Eye Protection:	Chemical tight goggles; full face shield if splashing is possible.
Skin Protection:	Coveralls and impervious foot covering is recommended.
Other Protective Clothing or Equipment:	Use impervious gloves, neoprene or rubber.
Work/Hygienic Practices:	Good air flow in working area. Eyewash station and safety shower should be available. Gloves and respiratory equipment should be worn at all times.

Section 9: Physical and Chemical Properties

Appearance:	Amber	
Odor:	Faint odor	
Physical State:	Liquid	
ph As Supplied:		
ph (Other):		
Boiling Point:	N/A	
Melting Point:	No data	
Freezing Point:		
Vapor Pressure (mmHg):	.000004 (mmHg)	
Vapor Density (Air=1):	8.5	
Specific Gravity (Water=1):	1.22	
Evaporation Rate (Butyl Acetate=1):	Slower than	
Solubility in Water:	Insoluble	
Percent Solids by Weight:		
Percent Volatile:	By Weight:	By Volume:
Volatile Organic Compounds (VOC):	With Water:	Without Water:
Molecular Weight:		
Viscosity:		

Section 10: Stability and Reactivity

Stability:	Stable
Conditions to Avoid (*Stability*):	Avoid excessive heat, open flame, sparks and strong oxidizing agents. Protect from atmospheric moisture. Replace outage with inert dry nitrogen.
Incompatibility (*Materials to Avoid*):	Avoid water, acid, base (alkalis, ammonia), alcohols, metal compounds.
Hazardous Decomposition or Byproducts:	Isocyanate vapors or mist, carbon dioxide, carbon monoxide, nitrogen oxides.
Hazardous Polymerization:	May occur.
Conditions to Avoid (Polymerization):	Avoid incompatible reactants, especially strong bases, water or temperatures over 160° Centigrade.

Section 11: Toxicological Information

Toxicological Information:	No Data

Section 12: Ecological Information

Ecological Information:	No Data

Section 13: Disposal Considerations

Waste Disposal Method:	Dispose of according to current local, state and federal regulations.
RCRA Hazard Class:	Non-Regulated

Section 14: Transport Information

U.S. Department of Transportation

Proper Shipping Name: Polymeric diphenylmethane diisocyanate
Hazard Class: Non-regulated (in 55 gallon drums), NOI
ID Number:
Packing Group:
Label Statement:

Water Transportation

Proper Shipping Name: Polymeric diphenylmethane diisocyanate
Hazard Class: Non regulated, NOI
ID Number:
Packing Group:
Label Statement:

Air Transportation

Proper Shipping Name: Polymeric diphenylmethane diisocyanate
Hazard Class: Non regulated, NOI
ID Number:
Packing Group:
Label Statement:

Other Agencies:

Section 15: Regulatory Information

U.S. Federal Regulations

TSCA (Toxic Substance Control Act):

CERCLA (Comprehensive Response Compensation and Liability Act):

SARA Title III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories:

313 Reportable Ingredients:

State Regulations:

International Regulations:

Section 16: Other Information

Other Information:

Preparation Information:

Disclaimer: To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data in this MSDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.