

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.		U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072			
IDENTITY (As Used on Label and List) Derbibond PG - Part A		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.			
SECTION I - PRODUCT INFORMATION					
Manufactured For: DERBIGUM Americas, Inc.			Emergency Telephone Number: 800-727-9872		
Address: 4821 Chelsea Ave., Kansas City, MO 64130			Telephone Number for Information: 800-727-9872		
Date Prepared: August 18, 2009			Signature of Preparer (Optional)		
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION					
Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS Number	% Composition	ACGIH	NIOSH	OSHA-PELs
Methylene bisphenol isocyanate (MDI)	101-68-8	30-60	.005 ppm	.005 ppm	.02 ppm
Polymethylene polyphenylene isocyanate	9016-87-9	30-60	1 mg/m3	.05 mg/m3	15 mg/m3
SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS					
Physical State: Liquid	Appearance: Dark Brown	Odor: Faint, aromatic	Odor Threshold (ppm): ND		
Specific Gravity: 1.22	Vapor Density (AIR = 1): ND	Vapor Pressure (mm Hg): ND	Evaporation Rate (Butyl Acetate = 1): ND		
Boiling Point : ND	Melting Point: ND	pH: ND	Solubility in Water: Reacts with water.		
SECTION IV - FIRE AND EXPLOSION HAZARD DATA					
Flash Point (Method Used): Pinsky-Martin Closed Cup	Flammable Limits (vol/vol%): ND	LFL: ND	UFL: ND		
Extinguishing Media: Use methods for the surrounding fire.					
Special Fire Fighting Procedures: Firefighters should wear full protective clothing including self contained breathing apparatus.					
Unusual Fire and Explosion Hazards: Cool containers with water spray. Containers may burst if overheated. This product reacts with water producing CO2 gas. Do not reseal contaminated containers as a hazardous pressure build up could result in container rupture.					
Hazardous Decomposition Materials (Under Fire Conditions): Combustion products may include carbon oxides, nitrogen oxides, hydrocarbons, HCN and isocyanates.					
SECTION V - REACTIVITY DATA					
Chemical Stability Stable: Stable at room temperature. Reaction with water (moisture) produces CO2 gas. Exothermic reaction with materials containing active hydrogen groups.			Conditions to Avoid: Avoid high temperatures. Avoid contact with water. Avoid contamination. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.		
Incompatibility (Materials to Avoid): Water, alcohols, amines, bases and acids.					
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, hydrocarbons, HCN and isocyanates.					
Possibility of Hazardous Reactions: Polymerization will occur at elevated temperatures in the presence of alkalis, tertiary amines and metal compounds.					
Hazardous Polymerization	May Occur: NA	Will Not Occur: Should not occur	Conditions to Avoid: ND		
SECTION VI - HEALTH HAZARD DATA					
Route(s) of Entry	Skin Contact <input checked="" type="checkbox"/>	Skin Absorption <input checked="" type="checkbox"/>	Eye Contact <input checked="" type="checkbox"/>	Inhalation <input checked="" type="checkbox"/>	Ingestion <input checked="" type="checkbox"/>
Effects of Acute Exposure to Product: EYE-This product is irritating to the eyes. Symptoms include itching, burning, redness and tearing; SKIN-This product is irritating to the skin. This product may cause an allergic skin reaction; INHALATION-Allergic lung reaction such as asthma, which includes coughing, wheezing, chest pain and tightness, difficulty breathing and shortness of breath; irritation of the upper respiratory tract, which includes burning of mouth, throat, and chest; INGESTION: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.					
Effects of Chronic Exposure to Product: ND					
Emergency and First Aid Procedures: EYE EXPOSURE: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention at once. SKIN EXPOSURE: Wash affected area with soap and water. Get medical attention if irritation develops or persists. Contaminated leather articles, including shoes, that cannot be decontaminated should be discarded. INHALATION: Remove to fresh air. Administer oxygen or artificial respiration as needed. Immediate or delayed asthma-like symptoms may develop. Obtain medical attention. INGESTION: If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.					
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps to Be Taken in Case Material is Released or Spilled: Evacuate the area promptly. Keep upwind of the spilled material and isolate exposure. Wear appropriate personal protective equipment. Stop the flow of material, if this is without risk. Do not allow to drain to sewers. Ventilate the contaminated area. Absorb spill with inert material. Shovel material into appropriate container for further neutralization and disposal. Avoid inhalation of vapors or mists. Surfaces may become slippery after a spill.					
Waste Disposal Method: Dispose of in accordance with federal, state and local regulations in a permitted waste management facility.					
Precautions to Be Taken in Handling and Storing: Handling: Avoid contact with skin and eyes. Do not breathe vapors. Wear proper personal protective equipment. Avoid contact with water. Do not re-seal contaminated product as a hazardous build-up of pressure may result from liberation of CO2 gas. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc. Storage: Keep containers properly sealed in a cool, dry, well-ventilated area between 65-85F (18.3-29.4C). Do not store in open, unlabeled or mislabeled containers. Do not reuse empty container without commercial cleaning or reconditioning. Other Precautions: NA					
SECTION VIII - CONTROL MEASURES					
Respiratory Protection: Use a NIOSH-approved organic vapor respirator to protect against inhalation of vapors. A respirator should be used if ventilation is unavailable, or is inadequate for keeping vapor levels below the applicable exposure limits.					
Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.					
Eye / Face Protection: Wear chemical goggles; add face shield (if splashing is possible).					
Skin Protection: The use of neoprene, nitrile rubber or butyl rubber gloves is recommended.					

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IDENTITY (As Used on Label and List) Derbibond PG - Part B		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.			
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Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS Number	% Composition	ACGIH	NIOSH	OHSA-PELs
Polypropylene glycol	25322-69-4	60-100	ND	100 ppm	ND
Proprietary Tertiary Amines	Not Available	1-5	ND	ND	ND
SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS					
Physical State: Liquid	Appearance: Colorless	Odor: Polyether	Odor Threshold (ppm): ND		
Specific Gravity: 1.01	Vapor Density (AIR = 1): ND	Vapor Pressure (mm Hg): ND	Evaporation Rate (Butyl Acetate = 1): ND		
Boiling Point : ND	Melting Point: ND	pH: 9-10	Solubility in Water: ND		
SECTION IV - FIRE AND EXPLOSION HAZARD DATA					
Flash Point (Method Used): Pinsky-Martin Closed Cup	Flammable Limits (vol/vol%): ND	LFL: ND	UFL: ND		
Extinguishing Media: Use methods for the surrounding fire.					
Special Fire Fighting Procedures: Firefighters should wear full protective clothing including self contained breathing apparatus.					
Unusual Fire and Explosion Hazards: Cool containers with water spray. Containers may burst if overheated.					
Hazardous Decomposition Materials (Under Fire Conditions): Combustion products may include carbon oxides, nitrogen oxides, HCN and organic acid vapors..					
SECTION V - REACTIVITY DATA					
Chemical Stability Stable: Stable at room temperature.	Conditions to Avoid: Avoid high temperatures. Avoid contact with water. Avoid contamination. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.				
Incompatibility (Materials to Avoid): Water, alcohols, amines, bases and acids.					
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides, hydrocarbons, HCN and organic acid vapors.					
Possibility of Hazardous Reactions: Will not occur.					
Hazardous Polymerization	May Occur: NA	Will Not Occur: Should not occur	Conditions to Avoid: ND		
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Route(s) of Entry	Skin Contact <input checked="" type="checkbox"/>	Skin Absorption <input checked="" type="checkbox"/>	Eye Contact <input checked="" type="checkbox"/>	Inhalation <input checked="" type="checkbox"/>	Ingestion <input checked="" type="checkbox"/>
Effects of Acute Exposure to Product: EYE-This product is irritating to the eyes. Symptoms include itching, burning, redness and tearing. May cause eye burns; SKIN-This product is severely irritating to the skin. This product may cause an allergic skin reaction; INHALATION-Allergic lung reaction such as asthma, which includes coughing, wheezing, chest pain and tightness, difficulty breathing and shortness of breath; irritation of the upper respiratory tract, which includes burning of mouth, throat, and chest; INGESTION: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.					
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