



Dura-Kote (WB) Polyurethane (part "B") Material Safety Data Sheet

Section 1: Product & Company Information

Product Name: Dura-Kote (WB) Polyurethane
(part "B")

Manufacturer: SureCrete Design Products

Address: SureCrete Design Products
15246 Citrus Country Drive
Dade City, FL 33523

Emergency Phone: 1-800-544-8488
CHEMTREC: 1-800-424-9300

Service Used: Polyurethane Cementitious Sealer (part "B"
Catalyst)

Application: Finishing Aid

Section 2: Ingredient Information

Homopolymer of Hexamethylene Diisocyanate; CAS# 28182-81-2; <5% by weight; TLV-TWA .5 mg/m³

Hexameethylene – 1, 6 - Diisocyanate; CAS# 822-06-0; <.25% by weight; TLV-TWA .2 mg/m³

Section 3: Physical/ Chemical Characteristics

Boiling Point: NA	Specific Gravity (H₂O = 1): 1.15
Vapor Density (Air = 1) : >1	Vapor Pressure: <.001 mmHg
Solubility in Water: no	Evaporation Rate: NA
Appearance and Odor: light yellow liquid with slight odor	

Section 4: Fire and Explosion Hazard Data

Flash Point: 365°F	Flammable Limits	LEL: NE	UEL: NE
Extinguishing Media: Foam, Alcohol foam, CO ₂ , Dry chemical, water fog			
Special Fire Fighting Procedures: Use full face-piece, self contained breathing apparatus. Avoid contact with product. Exposure to heated diisocyanate can be extremely dangerous.			
Unusual Fire and Explosion Hazard: Closed containers may rupture with build-up of pressure. Use cold water spray to cool fire-exposed containers to avoid rupture. Since reaction with water and diisocyanate can be vigorous, keep safe distance with extinguishing water.			

Section 5: Reactivity Data

Stability: Stable under normal use and storage conditions.	Conditions To Avoid: Contact with all moisture, other materials that react with isocyanates, or temperatures above 350 °F may cause polymerization
Incompatibility (Materials to Avoid): Water, amines, strong bases, alcohols, copper alloys	
Hazardous Decomposition or Byproducts: By fire and high heat: carbon monoxide, carbon dioxide, nitrogen oxides, dense black smoke, hydrogen cyanide, isocyanate, isocyanic acid	

Hazardous Polymerization: will not occur under normal conditions	
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Section 6: Health Hazard Data

Route(s) of Entry:	Inhalation	Skin and Eye Contact	Ingestion
Symptoms of Exposure: Skin & eye contact may cause irritation. Inhalation of high concentrations in confined area may cause asthma-like symptoms. . Ingestion may cause nausea, vomiting.			
Health Hazards (Acute and Chronic): Possible effects are irritation. Some individuals exposed to a large dose of diisocyanate or polyisocyanate may react to a later exposure well below threshold standards. May cause permanent lung damage with chronic overexposure.			
Medical Conditions Generally Aggravated by Exposure: Preexisting conditions of skin, eye, respiration may be aggravated.			
Emergency and First Aid Procedures			
Inhalation: Move to fresh air. If respiratory symptoms develop, get medical attention immediately.	Skin Contact: Wash affected area thoroughly with soap and water. Wash clothing before reuse.	Eye Contact: Rinse with running water for 15 mins. - hold eyelids apart while irrigating. If irritation persists, get medical attention.	Ingestion: This material is a potential aspiration hazard. Do not induce vomiting. Do not leave unattended. Get medical attention.

Section 7: Precautions for Safe Handling and Use

Steps to Be Taken if Material is Released or Spilled: Isolate spill, remove any potential sources of ignition. Absorb spill with an inert absorbent material and saturate with neutralization solution (1 gal. = 3½ qts. water + 14 ozs. ammonia + 2 ozs. liquid detergent), Place in open head metal containers. Apply lid loosely to allow to vent 72 hours, letting carbon dioxide escape.
Waste Disposal Method: Dispose of in accordance with applicable federal, state, and local regulations.
Precautions to Be Taken in Handling and Storage: Wash thoroughly after handling. Use and store material in a cool, dry, well-ventilated area away from potential sources of ignition.
Other Precautions: Keep out of reach from children.

Section 8: Control Measures

Respiratory Protection: A NIOSH approved respirator is permissible where airborne concentrations are expected to exceed exposure limits. A positive pressure air supplied respirator may be required where there is a potential for uncontrolled release product or other unusual circumstance.			
Ventilation			
Local Exhaust: Recommended	Mechanical (General): Recommended	Special: Explosion proof fan	Other: None
Protective Gloves: Recommended		Eye Protection: Safety glasses with side shields or goggles or face shield	
Other Protective Clothing or Equipment: None			
Work / Hygienic Practices: Normal good housekeeping practice			