

Material Safety Data Sheet

Number: **DMN0501**

Product Name: **Safety-Kote™ Black**

A liquid urethane coating

Revised: 5/14/12

Damon Industries, Inc. Box 2120 Alliance, Ohio 44601 U.S.A.	1-800-362-9850 1-330-821-5310 1-330-821-6355 Fax info@DamonQ.com	INFOTRAC 24 HR. EMERGENCY RESPONSE 1-800-535-5053 (U.S. & Canada) 001-352-323-3500 (International)
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Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Xylene	1330-20-7	15 - 30%	No
Methylene Bisphenol Isocyanate	101-68-8	10 - 15%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is severely irritating to the eyes and mildly irritating to the skin. Product is combustible. It may be extinguished by CO₂, dry chemical or foam. A black liquid with a sharp odor.

Health Hazards: Eye Irritant, Possible Skin Irritant & Sensitizer

Physical Hazards: Combustible

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes - causes severe irritation, redness, tearing and blurred vision.

Skin - may cause irritation. Repeated contact may cause dermatitis and sensitization on persons with sensitive skin.

Swallowing - results in irritation of mucous membranes, nausea, vomiting and diarrhea.

Breathing - excessive breathing of vapors may cause irritation, sensitization, central nervous system damage, kidney or lung damage and in very extreme cases of over-exposure unconsciousness or death.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately. If medical attention is not immediately available, continue flushing with water.

Skin Contact: Immediately wash the exposed skin with soap and water. If the product dries it may have to wear off. If irritation develops and persists, get medical attention.

Inhalation: If affected, move the affected person to fresh air. If irritation persists get medical attention.

Ingestion: If the product is swallowed, do NOT induce vomiting. Vomiting can cause chemical pneumonitis which can be fatal. Treat for shock by keeping warm and quiet. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Flash Point: 80° F. (ASTM D-56 closed cup)

Lower Explosive Limit: 1.0%

Upper Explosive Limit: 5.0%

Extinguishing Media: Foam, carbon dioxide or dry chemical. Water fog to cool containers.

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wipe up spills with rags or towels.

Section 7 - Handling and Storage

Store at temperatures between 40° and 100° F.

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Percent	TWA(source)	STEL	Ceiling
Xylene	1330-20-7	15 - 30%	100 ppm ^(1,2,3,4)	150 ppm ^(2,3,4)	-
Methylene Bisphenol isocyanate	101-68-8	10 - 15%	0.005 ppm ^(2,3,4)	-	0.02 ppm ^(1,2,4)
Carbon Black	1333-86-4	2 - 5%	3.5 mg/m ³ ^(1,2,3,4)	7 mg/m ³ ⁽⁴⁾	-

(1)=OSHA PEL (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA
Ceiling=Instantaneous

Ventilation: None required when used as directed. When used as directed a change of room air of 4 times per hour should be adequate.

Respiratory Protection: None expected when used with plenty of ventilation. If the above exposure limits will be exceeded wear a NIOSH approved respirator with an organic vapor cartridge.

Gloves: Wear resistant gloves such as neoprene or polyethylene. Thin latex gloves are not sufficient.

Eye Protection: If eye contact through splattering is possible, wear safety glasses with side shields.

Other Protective Equipment: Use a rubber or plastic apron or other protective clothing to prevent contact with clothing. Product will not wash out of clothing.

Section 9 - Physical and Chemical Properties

Boiling Point: 281° F.

Specific Gravity: 1.045

Percent Volatiles: 85%

Solubility In Water: Insoluble

Appearance and Odor: A black liquid with a sharp odor.

Vapor Pressure: 6.5 mmHg @ 68 °F.

Vapor Density: 3.7 (Air = 1.0)

Evaporation Rate: 0.6 (1=N-Butyl Acetate).

pH: Not Applicable

Section 10 - Stability and Reactivity

Incompatibility: Oxidizers.

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: Skin.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Until the product dries the material is combustible. Once dry, rags and towels may be disposed of safely.

Section 14 - Transport Information

D.O.T. Hazard Class: Gallons and larger - PAINT, 3, UN 1263, P.G. II.

Quarts and smaller - ORM-D.

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:2 F:2 I:0 **HMIS® III:** H:2 F:2 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 3/24/11. Added DOT information.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.