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Material Safety Data Sheet - BURKE FLOORING BR-710 One Part Urethane Adhesive by CHEMREX® CX-941

Version 1.5

06/27/2008

PRODUCT AND COMPANY INFORMATION

Company	BASF Building Systems For Burke Flooring 889 Valley Park Drive Shakopee, MN 55379
Telephone	952-496-6000
Emergency telephone	(800) 424-9300 (703) 527-3887 (Outside Continental US)
Product name	BR-710 One Part Urethane Adhesive
MSDS ID No.	10718
TSCA Inventory	All components of this product are included, or are exempt from inclusion, in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canadian DSL	All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List (DSL).
Product Use Description	Adhesive

1. HAZARDOUS INGREDIENTS

Chemical	CAS No.	TLV	STEL	PEL	CEIL	Weight %
HYDROTREATED PETROLEUM DISTILLATES	64747-48-7		N F	N F	N F	F no -10 on %
POLYMETHYLENE POLYPHENYL ISOCYANATE	901 B-87-9	N F	N F	N F	N F	0.00 - F on %
METHYLENE BISPHENYL DIISOCYANATE	101-68-8	0.005 ppm	N.E.	N.E.	0.02 ppm	0.00 - 5.00 %



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3. HAZARDS IDENTIFICATION

HMIS ^o Rating	HEALTH	FLAMMABILITY	PHYSICAL HAZARD	CLASS
	2	1	0	MR
Primary Routes of Entry	Inhalation Skin contact Eye contact			
<u>Effects of Overexposure</u>				

Inhalation Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapor concentrations can cause CNS depression and narcosis. Prolonged inhalation can be harmful.

Skin Can cause slight irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact.

Eyes Can cause slight to moderate irritation, redness, tearing and blurred vision.

Ingestion Intake can cause gastrointestinal irritation and nausea.

Chronic exposure This product contains Crystalline (quartz) Silica which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of product. Existing respiratory or skin ailments may be aggravated by exposure. This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") can be harmful or fatal. This product contains isocyanates. Prolonged repeated exposure to isocyanates can lead to skin sensitization. For persons so sensitized even brief exposures to an isocyanate can produce reddening, swelling, rash, or blisters. Similarly, prolonged and repeated exposure to isocyanates can lead to respiratory sensitization. In such individuals, brief exposures to isocyanates at levels well below established exposure limits can produce chemical asthma and nonspecific asthmatic conditions.



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4. FIRST AID MEASURES

Eye contact	Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention
Skin contact	Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting without medical advice. If conscious, drink plenty of water. If Person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
Inhalation	Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards	Containers can build up pressure if exposed to heat (fire). Cool closed containers
Flash point	250.00 °F 121.11 Method: Taglibue C. C.
Autoignition temperature	no data available
Lower explosion limit	1.6 %(V)
Upper explosion limit	10.2 %(V)
Suitable extinguishing media	carbon dioxide (CO2) dry chemical water fog exposed to fire with water spray.

Special Fire-fighting Procedures : As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Wear appropriate protective equipment (refer to section 8). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water
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7. HANDLING AND STORAGE

Handling	Keep out of reach of children. For personal protection see section 8.
Storage	Keep tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Wear as appropriate: safety glasses with side-shields goggles
face shield

Wear as appropriate: impervious gloves

Wear as appropriate: impervious clothing
preventive skin protection

In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color	char
Physical State	liquid
Odor	mild oily
pH	not applicable
Odor Thresholds	no data available
Vapor Pressure	no data available
Vapor Density	Heavier than air
Boiling point / range	342.00 - 514.00 °F (172.22 - 267.78 °C)
Freeze Point	no data available
Water solubility	slightly soluble
Specific Gravity	1.25
Viscosity	no data available
Evaporation rate	Slower than Butyl acetate
Partition coefficient (n-octanol / water)	no data available
VOC Concentration as applied (less water exempt solvents)	45 g/l



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10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Conditions to avoid	Strong oxidizing agents
Materials to avoid	Oxides of carbons
Hazardous decomposition products	Thermal decomposition
MDI vapors	Irritating or toxic fumes
Hazardous polymerization	Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

	Type	Value	Species	Exposure time
Product Component	LC50	no data available		
HYDROTREATED MIDDLE PETROLEUM DISTILLATES	LC50	no data available		
POLYMETHYLENE POLYPHENYL ISOCYANATE	LC50	no data available		
METHYLENE BISPHENYLISOCYANATE	F	no data available		
POLYPHEMETHYL NE BISPHENYL ISOCYANATE DIISOCYANATE	LD50 (Oral)	Type LD50 (Oral)		LD50 (Oral)

Acute oral toxicity
Product Component

HYDROTREATED MIDDLE PETROLEUM DISTILLATES	LD50 (Oral)
POLYMETHYLENE POLYPHENYL	



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Value Species
no data available

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d
ata available no
data available
9,200 mg/kg

Acute dermal toxicity

	Type	Value	Species
Product Component HYDROTREATED MIDDLE PETROLEUM DISTILLATES	LD50 (Dermal)	no data available	
POLYMETHYLENE POLYPHENYL ISOCYANATE METHYLENE BISPHENYL DIISOCYANATE	LD50 (Dermal)	no data available	
	LD50 (Dermal)	no data available	
	LD50 (Dermal)	no data available	

12. ECOLOGICAL INFORMATION

Ecotoxicological Information : There is no data available for this product.



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13. DISPOSAL CONSIDERATIONS

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

14. TRANSPORT INFORMATION

DOT	: Proper shipping name	Not regulated
IATA	: Proper shipping name	Not regulated

15. REGULATORY INFORMATION

SARA 311/312 (RTK)

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD DELAYED (CHRONIC) HEALTH HAZARD

SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Weight %</u>	<u>CAS No.</u>	<u>Chemical Name</u>
n nn - nn	9n1R-117	METHYLENE BISPHENYL DIISOCYANATE

CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<u>RQ</u>	<u>CAS No.</u>	<u>Chemical Name</u>
5.000 lbs	101-68-8	METHYLENE BISPHENYL DIISOCYANATE

TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States: There are no TSCA 12(b) Chemicals in this product.

California Proposition 65

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<u>CAS No.</u>	<u>Chemical Name</u>
14808-60-7	SILICA. CRYSTALLINE QUARTZ

*Burke Flooring Products, a Division of Burke Industries
2250 South Tenth Street, San Jose CA 95112
(408) 297-3500*



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7440-43-9 CADMIUM
7439-92-1 INORGANIC LLEAD
7440-38--2 ARSENIC

16. OTHER INFORMATION

Legend : N.E. - Not Established
: T I V - Threshold Limit Value
: STEL Short Term Exposure Limit
: PEL - Permissible Exposure Limit
: CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

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End of MSDS