

Wabo®Crete II, PART A

Version 1.3

07/24/2006

1. PRODUCT AND COMPANY INFORMATION

Company : **Watson Bowman Acme Corporation**
95 Pineview Drive
Amherst, NY 14228

Telephone : 716-691-7566

Emergency telephone number : (800) 424-9300
(703) 527-3887 (Outside Continental US)

Product name : Wabo®Crete II, PART A

MSDS ID No. : 11174

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 : Mortar

2. HAZARDOUS INGREDIENTS

<u>Chemical</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>CEIL</u>	<u>Weight %</u>
POLYISOCYANATE BASED ON MDI	Unknown		N.E.	N.E.	N.E.	40.00 - 70.00 %
METHYLENE BISPHENYL DIISOCYANATE	101-68-8	0.005 ppm	N.E.	N.E.	0.02 ppm	15.00 - 40.00 %
DIPHENYLMETHANE DIISOCYANATE	26447-40-5	N.E.	N.E.	N.E.	N.E.	10.00 - 30.00 %

3. HAZARDS IDENTIFICATION

HMIS® Rating : HEALTH 3 FLAMMABILITY 1 PHYSICAL HAZARD 1

WHMIS Class : D2A

Primary Routes of Entry : Skin contact
Eye contact
Ingestion

Effects of Overexposure

Inhalation : Can cause severe respiratory irritation.

Skin : May cause skin irritation and/or dermatitis. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

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

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- Ingestion : Irritating to mouth, throat and stomach. Intake can cause gastrointestinal irritation, nausea, and vomiting.
- Chronic exposure : 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.

Carcinogenicity

	ACGIH	IARC	NTP	OSHA
POLYISOCYANATE BASED ON MDI	N.E.	N.E.	N.E.	N.E.
METHYLENE BISPHENYL DIISOCYANATE	N.E.	No data.	N.E.	N.E.
DIPHENYLMETHANE DIISOCYANATE	N.E.	N.E.	N.E.	N.E.

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 a 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

- Flash point : 369.9 °F (187.7 °C) Method: Pensky-Martens C.C.
- Autoignition temperature : no data available
- Lower explosion limit : no data available
- Upper explosion limit : no data available
- Suitable extinguishing media : dry chemical
carbon dioxide (CO₂)
foam
water spray
water fog
- Fire and Explosion Hazards : Fire may produce irritating or poisonous fumes.
- Special Fire-fighting Procedures : At higher temperature pressure build up in sealed containers. Use water to cool containers exposed to fire. As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

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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.

7. HANDLING AND STORAGE

Handling : Keep out of reach of children. For personal protection see section 8.

Storage : Store in a place accessible by authorized persons only. Store in cool, dry place. Keep tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Hand protection : Wear as appropriate:
impervious gloves

Body Protection : Wear as appropriate:
impervious clothing
preventive skin protection

Respiratory 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.

Hygienic Practices : 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 : yellow

Physical State : liquid

Odor : slight aromatic

pH : not applicable

Odor Threshold : no data available

Vapor Pressure : $< 1 \times 10^{-5}$ mm/Hg at 77 °F (25 °C)

Vapor Density : 8.5 (Air = 1)

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Boiling point/range	:	no data available
Freeze Point	:	no data available
Water solubility	:	Reacts slowly with water to liberate CO ₂ gas
Specific Gravity	:	1.21
Viscosity	:	no data available
Evaporation rate	:	no data available
Partition coefficient (n-octanol/water)	:	no data available
VOC Concentration as applied (less water and exempt solvents)	:	0 g/l Note: VOC concentration expressed as applied when all components are mixed and applied per manufacturer's instructions.

10. STABILITY AND REACTIVITY

Stability	:	Stable under recommended storage conditions.
Conditions to avoid	:	Prolonged exposure to high temperatures
Materials to avoid	:	Water amines Alcohols strong bases
Hazardous decomposition products	:	Oxides of carbon nitrogen oxides (NO _x) traces of HCN MDI vapors Burning produces obnoxious and toxic fumes.
Hazardous polymerization	:	Can occur: contact with moisture or other material that will react with isocyanates, or temperatures above 400 F (204 C), may cause polymerization.

11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>	<u>Exposure time</u>
	LC50	no data available		
<u>Component</u>				
POLYISOCYANATE BASED ON MDI	LC50	no data available		
METHYLENE BISPHENYL DIISOCYANATE	LC50	no data available		
DIPHENYLMETHANE DIISOCYANATE	LC50	no data available		

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Acute oral toxicity

	Type	Value	Species
<u>Product</u>	LD50 (Oral)	no data available	

Component

POLYISOCYANATE BASED ON MDI	LD50 (Oral)		
METHYLENE BISPHENYL DIISOCYANATE	LD50 (Oral)	9,200 mg/kg	
DIPHENYLMETHANE DIISOCYANATE	LD50 (Oral)	no data available	

Acute dermal toxicity

	Type	Value	Species
<u>Product</u>	LD50 (Dermal)	no data available	

Component

POLYISOCYANATE BASED ON MDI	LD50 (Dermal)	no data available	
METHYLENE BISPHENYL DIISOCYANATE	LD50 (Dermal)	no data available	
DIPHENYLMETHANE DIISOCYANATE	LD50 (Dermal)	no data available	

12. ECOLOGICAL INFORMATION

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

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:

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<u>Weight %</u>	<u>CAS No.</u>	<u>Chemical Name</u>
15.00 - 40.00 %	101-68-8	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:

<u>CAS No.</u>	<u>Chemical Name</u>
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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>
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There are no Proposition 65 chemicals known to exist in this product.

16. OTHER INFORMATION

Legend	:	N.E. - Not Established TLV - 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.