

WBA BONDING AGENT PART A

Version 1.2

06/30/2006

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 : WBA BONDING AGENT PART A

MSDS ID No. : 11176

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 : Coating

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>
EPOXY RESIN	25085-99-8		N.E.	N.E.	N.E.	60.00 - 100.00 %
O-CRESYL GLYCIDYL ETHER	2210-79-9	N.E.	N.E.	N.E.	N.E.	5.00 - 10.00 %

3. HAZARDS IDENTIFICATION

HMIS® Rating : HEALTH 2 FLAMMABILITY 1 PHYSICAL HAZARD 0

WHMIS Class : D2B

Primary Routes of Entry : Ingestion
Inhalation
Eye contact
Skin contact

Effects of Overexposure

Inhalation : Can cause slight irritation.

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 irritation.

Ingestion : Can cause slight irritation.

Chronic exposure : Existing respiratory or skin ailments may be aggravated by exposure.

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Carcinogenicity

	ACGIH	IARC	NTP	OSHA
EPOXY RESIN	N.E.	N.E.	N.E.	N.E.
O-CRESYL GLYCIDYL ETHER	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 : > 200.01 °F (93.34 °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 : water fog
foam
carbon dioxide (CO₂)
dry chemical
- Fire and Explosion Hazards : Containers can build up pressure if exposed to heat (fire). Cool closed containers 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.

7. HANDLING AND STORAGE

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

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Storage : Store in a place accessible by authorized persons only. Keep container tightly closed.
Store in a cool and shaded area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection : When handling product, wear protective equipment such as:
safety glasses with side-shields
goggles
face-shield

Hand protection : impervious gloves

Body Protection : 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 : white

Physical State : liquid

Odor : slight

pH : not applicable

Odor Threshold : no data available

Vapor Pressure : no data available

Vapor Density : Heavier than air

Boiling point/range : 360 °F (182 °C)

Freeze Point : no data available

Water solubility : insoluble

Specific Gravity : 1.18

Viscosity : no data available

Evaporation rate : Slower than Butyl acetate

Partition coefficient (n-octanol/water) : no data available

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VOC Concentration as applied : 0 g/l
(less water and exempt solvents)
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 : Amine hardeners in quantities that exceed the manufacturer's application instructions (see product literature) or under uncontrolled conditions.
strong acids
strong bases

Hazardous decomposition products : Oxides of carbon
nitrogen oxides (NOx)

Hazardous polymerization : Will not occur when handled according to manufacturer's instructions.

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>				
EPOXY RESIN	LC50	no data available		
O-CRESYL GLYCIDYL ETHER	LC50	no data available		

Acute oral toxicity

<u>Product</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
	LD50 (Oral)	no data available	
<u>Component</u>			
EPOXY RESIN	LD50 (Oral)	no data available	
O-CRESYL GLYCIDYL ETHER	LD50 (Oral)	no data available	

Acute dermal toxicity

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

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EPOXY RESIN	LD50 (Dermal)	no data available
O-CRESYL GLYCIDYL ETHER	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:

<u>Weight %</u>	<u>CAS No.</u>	<u>Chemical Name</u>
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This product contains no chemicals subject to the SARA 313 supplier notification requirements.

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>
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No CERCLA chemicals exist in this product above reportable concentrations.

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.

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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>
106-89-8	EPICHLOROHYDRIN

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.