

WBA BONDING AGENT PART B

Version 1.2

06/30/2006

1. PRODUCT AND COMPANY INFORMATION

Company : **Watson Bowman Acme Corporation**
95 Pinview 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 B

MSDS ID No. : 11177

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>
SILICA, CRYSTALLINE QUARTZ	14808-60-7	0.05 mg/m3	N.E.	0.1 mg/m3	N.E.	15.00 - 40.00 %
POLY(OXYPROPYLENE)DIAMINE	9046-10-0	N.E.	N.E.	N.E.	N.E.	10.00 - 30.00 %
NONYLPHENOL	25154-52-3	N.E.	N.E.	N.E.	N.E.	10.00 - 30.00 %
DIETHYLENETRIAMINE	111-40-0	1 ppm	N.E.	N.E.	N.E.	5.00 - 10.00 %
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	90-72-2	N.E.	N.E.	N.E.	N.E.	1.00 - 5.00 %

3. HAZARDS IDENTIFICATION

HMIS® Rating : HEALTH 3 FLAMMABILITY 1 PHYSICAL HAZARD 0

WHMIS Class : E
D2B

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

Effects of Overexposure

Inhalation : Harmful by inhalation. Can cause moderate to severe irritation.

WBA BONDING AGENT PART B

Version 1.2

06/30/2006

- Skin** : Can cause severe irritation and possible burns. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact. Components of the product may be absorbed into the body through the skin.
- Eyes** : Corrosive. Can cause severe irritation, redness, tearing and blurred vision and possible burns and corneal injury.
- Ingestion** : Corrosive! Can cause severe and permanent damage to mouth, throat and stomach.
- Chronic exposure** : Existing respiratory or skin ailments may be aggravated by 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.

Carcinogenicity

	ACGIH	IARC	NTP	OSHA
SILICA, CRYSTALLINE QUARTZ	Suspected human carcinogen.	Human carcinogen.		N.E.
POLY(OXYPROPYLENE)DIAMINE	N.E.	N.E.	N.E.	N.E.
NONYLPHENOL	N.E.	N.E.	N.E.	N.E.
DIETHYLENETRIAMINE	N.E.	N.E.	N.E.	N.E.
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	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** : 255 °F (124 °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)

WBA BONDING AGENT PART B

Version 1.2

06/30/2006

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 : Evacuate personnel to safe areas. Wear personal protective equipment (refer to section 8). Contain spill immediately. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal.

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. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Hand protection : Wear Chemically resistant gloves.

Body Protection : Chemically resistant clothes
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 : brown

Physical State : liquid

Odor : ammoniacal

pH : no data available

WBA BONDING AGENT PART B

Version 1.2

06/30/2006

Odor Threshold	:	no data available
Vapor Pressure	:	no data available
Vapor Density	:	Heavier than air
Boiling point/range	:	no data available
Freeze Point	:	no data available
Water solubility	:	insoluble
Specific Gravity	:	0.98
Viscosity	:	no data available
Evaporation rate	:	Slower than Butyl acetate
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	:	Excessive heat, fumes and smoke can occur if this product is not mixed and used according to directions.
Materials to avoid	:	oxidizing agents 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>				
SILICA, CRYSTALLINE QUARTZ	LC50	no data available		
POLY(OXYPROPYLENE)DIAMINE	LC50	no data available		
NONYLPHENOL	LC50	no data available		
DIETHYLENETRIAMINE	LC50	no data available		

WBA BONDING AGENT PART B

Version 1.2

06/30/2006

2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL LC50 no data available

Acute oral toxicity

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

Component

SILICA, CRYSTALLINE QUARTZ	LD50 (Oral)	1,300 mg/kg	
POLY(OXYPROPYLENE)DIAMINE	LD50 (Oral)	no data available	
NONYLPHENOL	LD50 (Oral)	no data available	
DIETHYLENETRIAMINE	LD50 (Oral)	470 mg/kg	
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	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	

Component

SILICA, CRYSTALLINE QUARTZ	LD50 (Dermal)	no data available	
POLY(OXYPROPYLENE)DIAMINE	LD50 (Dermal)	no data available	
NONYLPHENOL	LD50 (Dermal)	no data available	
DIETHYLENETRIAMINE	LD50 (Dermal)	1,090 mg/kg	rabbit
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	LD50 (Dermal)	1,280 mg/kg	rabbit

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	CORROSIVE LIQUID, N.O.S. (NONYLPHENOL, DIETHYLENETRIAMINE)
	UN-No	1760
	Class	8
	Packaging group	III
	Primary Label	Corrosive
IATA	: Proper shipping name	CORROSIVE LIQUID, N.O.S. (NONYLPHENOL, DIETHYLENETRIAMINE)
	UN-No	1760
	Class	8

WBA BONDING AGENT PART B

Version 1.2

06/30/2006

Packaging group III
Primary Label Corrosive

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>
-----------------	----------------	----------------------

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>
-----------	----------------	----------------------

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>
----------------	----------------------

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

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

WBA BONDING AGENT PART B

Version 1.2

06/30/2006

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the manufacturer's knowledge, or is obtained from sources believed by the manufacturer to be accurate and is not intended to be all inclusive. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The manufacturer assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, the manufacturer assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.

End of MSDS.