

WABOGEL ADHESIVE, PART B

Version 1.4

06/29/2006

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	:	WABOGEL ADHESIVE, PART B
MSDS ID No.	:	10760
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>
BIS(HEXAMETHYLENE)TRIAMIN E	143-23-7		N.E.	N.E.	N.E.	15.00 - 40.00 %
4-NONYLPHENOL	84852-15-3	N.E.	N.E.	N.E.	N.E.	15.00 - 40.00 %
1,2-CYCLOHEXANEDIAMINE	694-83-7	N.E.	N.E.	N.E.	N.E.	10.00 - 30.00 %
2,4,6- TRIS((DIMETHYLAMINO)METHYL)PHENOL	90-72-2	N.E.	N.E.	N.E.	N.E.	5.00 - 10.00 %

3. HAZARDS IDENTIFICATION

HMIS® Rating		HEALTH 3	FLAMMABILITY 1	PHYSICAL HAZARD 1
WHMIS Class	:	D2B E		
Primary Routes of Entry	:	Skin contact Ingestion Inhalation Eye contact		

Effects of Overexposure

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

WABOGEL ADHESIVE, PART B

Version 1.4

06/29/2006

- 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.
- 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.

Carcinogenicity

	ACGIH	IARC	NTP	OSHA
BIS(HEXAMETHYLENE)TRIAMINE	N.E.	N.E.	N.E.	N.E.
4-NONYLPHENOL	N.E.	N.E.	N.E.	N.E.
1,2-CYCLOHEXANEDIAMINE	N.E.	N.E.	N.E.	N.E.
2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHE NOL	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: Cleveland O.C.
- Autoignition temperature : no data available
- Lower explosion limit : no data available
- Upper explosion limit : no data available
- Suitable extinguishing media : foam
carbon dioxide (CO₂)
dry chemical
water fog
- Fire and Explosion Hazards : Fire may produce irritating or poisonous fumes.

WABOGEL ADHESIVE, PART B

Version 1.4

06/29/2006

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.

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 : amber

Physical State : liquid

Odor : ammoniacal

pH : 12 - 13

WABOGEL ADHESIVE, PART B

Version 1.4

06/29/2006

Odor Threshold	:	no data available
Vapor Pressure	:	2 mm/Hg at 77 °F (25 °C)
Vapor Density	:	Heavier than air
Boiling point/range	:	201.99 - 559.99 °F (94.44 - 293.33 °C)
Freeze Point	:	no data available
Water solubility	:	partly soluble
Specific Gravity	:	0.96 - 0.99
Viscosity	:	0.7 - 1.5 Pa s
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	:	Prolonged exposure to high temperatures
Materials to avoid	:	strong acids strong bases
Hazardous decomposition products	:	Oxides of carbon Thermal decomposition can lead to release of irritating gases and vapours.
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>				
BIS(HEXAMETHYLENE)TRIAMINE	LC50	no data available		

WABOGEL ADHESIVE, PART B

Version 1.4

06/29/2006

4-NONYLPHENOL	LC50	no data available
1,2-CYCLOHEXANEDIAMINE	LC50	no data available
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

BIS(HEXAMETHYLENE)TRIAMINE	LD50 (Oral)	no data available	
4-NONYLPHENOL	LD50 (Oral)	no data available	
1,2-CYCLOHEXANEDIAMINE	LD50 (Oral)	no data available	
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

BIS(HEXAMETHYLENE)TRIAMINE	LD50 (Dermal)	no data available	
4-NONYLPHENOL	LD50 (Dermal)	no data available	
1,2-CYCLOHEXANEDIAMINE	LD50 (Dermal)	no data available	
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 LIQUIDS, N.O.S. (AMINE BLEND)
	UN-No	1760
	Class	8
	Packaging group	III
	Primary Label	Corrosive
IATA	: Proper shipping name	CORROSIVE LIQUIDS, N.O.S. (AMINE BLEND)

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UN-No	1760
Class	8
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>
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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.

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

WABOGEL ADHESIVE, PART B

Version 1.4

06/29/2006

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.