

WABO® PASTE ADHESIVE COLD WEATHER, PART B

Version 1.3

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 : WABO® PASTE ADHESIVE COLD WEATHER, PART B

MSDS ID No. : 10528

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

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.	40.00 - 70.00 %
4-NONYLPHENOL	84852-15-3	N.E.	N.E.	N.E.	N.E.	10.00 - 30.00 %
BIS(HEXAMETHYLENE)TRIAMINE	143-23-7	N.E.	N.E.	N.E.	N.E.	10.00 - 20.00 %
E						
1,2-CYCLOHEXANEDIAMINE	694-83-7	N.E.	N.E.	N.E.	N.E.	5.00 - 15.00 %
TREATED FUMED SILICA	67762-90-7	N.E.	N.E.	N.E.	N.E.	1.00 - 5.00 %
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 2* FLAMMABILITY 1 PHYSICAL HAZARD 0

WHMIS Class : D2B
E

Primary Routes of Entry : Inhalation
Eye contact
Skin contact

Effects of Overexposure

Inhalation : Harmful by inhalation. Can cause severe respiratory irritation. 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

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- narcosis.
- 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. Prolonged or repeated contact can cause burns and possibly corneal injury.
- Ingestion** : Corrosive. Intake can cause burns of mouth, esophagus and stomach. Gastrointestinal burns, nausea, vomiting and diarrhea.
- 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.
4-NONYLPHENOL	N.E.	N.E.	N.E.	N.E.
BIS(HEXAMETHYLENE)TRIAMINE	N.E.	N.E.	N.E.	N.E.
1,2-CYCLOHEXANEDIAMINE	N.E.	N.E.	N.E.	N.E.
TREATED FUMED SILICA	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** : > 199.9 °F (93.3 °C)
- Autoignition temperature** : no data available
- Lower explosion limit** : no data available

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- Upper explosion limit : no data available
- Suitable extinguishing media : water spray
foam
carbon dioxide (CO₂)
dry chemical
water fog
- 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 tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Eye protection : Wear as appropriate:
safety glasses with side-shields
goggles
face-shield
- Hand protection : Wear Chemically resistant gloves.
- Body Protection : Wear as appropriate:
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 : dark amber

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Physical State	: paste
Odor	: characteristic
pH	: not applicable
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	: 1.40
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

10. STABILITY AND REACTIVITY

Stability	: Stable under recommended storage conditions.
Conditions to avoid	: Prolonged exposure to high temperatures
Materials to avoid	: Strong oxidizing agents, acids, isocyanates and organic peroxides can result in violent explosive reaction. reducing agents
Hazardous decomposition products	: Oxides of carbon nitrogen oxides (NOx) aldehydes ammonia
Hazardous polymerization	: Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

<u>Type</u>	<u>Value</u>	<u>Species</u>	<u>Exposure time</u>
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Product LC50 no data available

Component

SILICA, CRYSTALLINE QUARTZ	LC50	no data available
4-NONYLPHENOL	LC50	no data available
BIS(HEXAMETHYLENE)TRIAMINE	LC50	no data available
1,2-CYCLOHEXANEDIAMINE	LC50	no data available
TREATED FUMED SILICA	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

SILICA, CRYSTALLINE QUARTZ	LD50 (Oral)	1,300 mg/kg	
4-NONYLPHENOL	LD50 (Oral)	no data available	
BIS(HEXAMETHYLENE)TRIAMINE	LD50 (Oral)	no data available	
1,2-CYCLOHEXANEDIAMINE	LD50 (Oral)	no data available	
TREATED FUMED SILICA	LD50 (Oral)	3,864 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	
4-NONYLPHENOL	LD50 (Dermal)	no data available	
BIS(HEXAMETHYLENE)TRIAMINE	LD50 (Dermal)	no data available	
1,2-CYCLOHEXANEDIAMINE	LD50 (Dermal)	no data available	
TREATED FUMED SILICA	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.

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14. TRANSPORT INFORMATION

DOT	:	Proper shipping name	CORROSIVE LIQUID, N.O.S. (4-NONYLPHENOL; BIS(HEXAMETHYLENE)TRIAMINE)
		UN-No	1760
		Class	8
		Packaging group	III
		Primary Label	Corrosive
IATA	:	Proper shipping name	CORROSIVE LIQUID, N.O.S. (4-NONYLPHENOL; BIS(HEXAMETHYLENE)TRIAMINE)
		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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