

Safety Data Sheet

WBA BONDING AGENT PART B

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Version: 1.0

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(260347/SDS_GEN_CA/EN)

1. Product and Company Identification

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

24 Hour Emergency Response Information
CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

2. Hazards Identification

Emergency overview

CORROSIVE.
SENSITIZER.
CONTAINS MATERIAL WHICH CAN CAUSE CANCER.
Causes burns.
Corrosive to eyes.
May cause sensitization by skin contact.

State of matter: liquid
Colour: brown
Odour: ammonia-like

Potential health effects

Irritation / corrosion:

Causes burns.

Sensitization:

May cause sensitization by skin contact.

Potential environmental effects

Aquatic toxicity:

No data available concerning aquatic toxicity.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
14808-60-7	>= 15.0 - <= 40.0 %	crystalline silica
9046-10-0	>= 15.0 - <= 40.0 %	alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethanediy))

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25154-52-3	>= 10.0 - <= 30.0 %	nonylphenol
111-40-0	>= 3.0 - <= 7.0 %	2,2'-iminodi(ethylamine)
90-72-2	>= 1.0 - <= 5.0 %	2,4,6-tris(dimethylaminomethyl)phenol

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

5. Fire-Fighting Measures

Flash point:	124 °C	(ASTM D93)
Lower explosion limit:		No data available.
Upper explosion limit:		No data available.

Suitable extinguishing media:

foam, water spray, dry extinguishing media, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Hazards during fire-fighting:

carbon dioxide, carbon monoxide, nitrogen oxides, fumes/smoke, carbon black, corrosive gases/vapours

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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Cleanup:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.
For large amounts: Pump off product.

7. Handling and Storage

Handling

General advice:

Keep away from sources of ignition - No smoking. Keep container tightly sealed. Handle and open container with care.

Protection against fire and explosion:

The product does not contribute to the spreading of flames, nor is it self combustible, not explosive.

Storage

General advice:

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store protected against freezing.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

crystalline silica	OSHA	TWA value 2.4 millions of particles per cubic foot of air Respirable ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.1 mg/m ³ Respirable ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.3 mg/m ³ Total dust ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
2,2'-iminodi(ethylamine)	ACGIH	TWA value 0.025 mg/m ³ Respirable fraction ;
	ACGIH	TWA value 1 ppm ; Skin Designation ; The substance can be absorbed through the skin.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

Wear chemical resistant protective gloves., Protective glove selection must be based on the user's assessment of the workplace hazards.

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

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General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form:	liquid	
Odour:	ammonia-like	
Odour threshold:	No data available.	
Colour:	brown	
pH value:		Unspecified
Boiling point:		No data available.
Vapour pressure:		No data available.
Density:	approx. 1.0 g/cm ³	(20 °C)
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Viscosity, dynamic:		No data available.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Substances to avoid:

zinc, aluminium, oxidizing agents, strong alkalies, acids

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

Decomposition products:

carbon oxides, nitrogen oxides

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

11. Toxicological information

Acute toxicity

Information on: 2,2'-iminodi(ethylamine)

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard. Of pronounced toxicity after short-term skin contact.

Irritation / corrosion

Information on: crystalline silica

Assessment of irritating effects:

Not irritating to the skin. The product has not been tested. The statement has been derived from products of a similar structure and composition. May cause slight irritation to the eyes.

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Information on: alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))
Assessment of irritating effects:
Corrosive! Damages skin and eyes.

Information on: nonylphenol
Assessment of irritating effects:
Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Information on: 2,2'-iminodi(ethylamine)
Assessment of irritating effects:
Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Sensitization

Information on: 2,2'-iminodi(ethylamine)
Assessment of sensitization:
Sensitization after skin contact possible.

Can sensitize the skin and/or respiratory tract of allergic persons.

Repeated dose toxicity

Information on: crystalline silica
Assessment of repeated dose toxicity:
This product may contain greater than 0.1% crystalline silica. Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.

Information on: 2,2'-iminodi(ethylamine)
Assessment of repeated dose toxicity:
May affect the liver and kidneys as indicated in animal studies. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.
The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies.

Carcinogenicity

Information on: crystalline silica
The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.
Information on: 2,2'-iminodi(ethylamine)
Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.

Reproductive toxicity

Information on: nonylphenol
The results of animal studies suggest a fertility impairing effect.

Development:

Information on: nonylphenol
Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

Experiences in humans:

Information on: crystalline silica
May cause silicosis.

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Other Information:

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Other adverse effects:

Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

TDG

Hazard class: 8
Packing group: III
ID number: UN 1760
Hazard label: 8
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains NONYLPHENOLE, DIETHYLENETRIAMINE)

Sea transport

IMDG

Hazard class: 8
Packing group: III
ID number: UN 1760
Hazard label: 8
Marine pollutant: NO
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains NONYLPHENOLE, DIETHYLENETRIAMINE)

Air transport

IATA/ICAO

Hazard class: 8
Packing group: III
ID number: UN 1760
Hazard label: 8
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains NONYLPHENOLE, DIETHYLENETRIAMINE)

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15. Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA released; restriction on quantity / not listed

WHMIS classification: D2B: Materials Causing Other Toxic Effects - Toxic material

E: Corrosive material



THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

16. Other Information

BASF supports worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

Local Contact Information

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bcc_prps@basf.com

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