

Safety Data Sheet

Wabo HPH PT A

Revision date : 2010/11/02

Version: 1.0

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(479705/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

Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation.
Harmful if swallowed.

State of matter: liquid
Colour: light yellow
Odour: faintly aromatic

Potential health effects**Acute toxicity:**

May cause sensitization by inhalation. Of moderate toxicity after single ingestion.

Irritation / corrosion:

Irritating to eyes, respiratory system and skin.

Assessment other acute effects:

Causes temporary irritation of the respiratory tract.

Chronic toxicity:

Carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Repeated dose toxicity: Repeated exposure to the substance by dermal administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by inhalative administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by oral administration leads to effects similar to those found after single exposure.

Reproductive toxicity: The chemical structure does not suggest such an effect.

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Teratogenicity: The chemical structure does not suggest such an effect.

Genotoxicity: The chemical structure does not suggest such an effect.

Signs and symptoms of overexposure:

Information on: gamma-Butyrolactone

Overexposure may cause:; weakness, chest discomfort, agitation, nausea, diarrhea, headache, bradycardia, hypothermia, consciousness is affected, coma

Information on: MDI

In sensitized individuals, sensitization reactions may be elicited by structurally similar substances. Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
96-48-0	2.0 %	gamma-butyrolactone
101-68-8	47.671 %	Diphenylmethane-4,4'-diisocyanate (MDI)
26447-40-5	1.308 %	Methylenediphenyl diisocyanate

4. First-Aid Measures

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

5. Fire-Fighting Measures

Flash point:	> 200.00 °C	(open cup)
Autoignition:		Unspecified
Self-ignition temperature:		not self-igniting

Suitable extinguishing media:

water spray, dry powder, carbon dioxide, foam

Hazards during fire-fighting:

nitrous gases, fumes/smoke, isocyanate, vapour

Protective equipment for fire-fighting:

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

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6. Accidental release measures

Personal precautions:

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dike spillage.

For small amounts: Pick up with suitable absorbent material. Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide. For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.

For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes.

7. Handling and Storage

Handling

General advice:

Mix thoroughly before use. If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

Protection against fire and explosion:

No explosion proofing necessary.

Storage

General advice:

Formation of CO₂ and build up of pressure possible. Keep container tightly closed and in a well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture.

Storage stability:

Storage temperature: 16 - 27 °C

8. Exposure Controls and Personal Protection

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified self-contained breathing apparatus or full face supplied air respirator.

Hand protection:

Chemical resistant protective gloves (EN 374), Suitable materials, Rubber gloves, Plastic gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

General safety and hygiene measures:

Wear protective clothing as necessary to prevent contact.

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9. Physical and Chemical Properties

Form:	liquid	
Odour:	faintly aromatic	
Odour threshold:	No data available.	
Colour:	light yellow	
pH value:		not applicable
Freezing point:		Unspecified
Boiling point:	200.00 °C	(5.000000 mmHg)
Vapour pressure:	0.00001 mmHg	(25.00 °C)
Density:	1.1263 g/cm3	(25 °C)
Partitioning coefficient n-octanol/water (log Pow):		Unspecified
Viscosity, dynamic:	630.000 mPa.s	(25.00 °C)
Solubility in water:		Reacts with water.

10. Stability and Reactivity

Hazardous reactions:

Contact with water or moisture liberates irritant gases. Reacts with water, alcohols, strong bases.

Decomposition products:

Hazardous decomposition products: carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapours

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Information on: MDI

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Information on: gamma-butyrolactone

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Virtually nontoxic by inhalation. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard.

Irritation / corrosion

Information on: MDI

Assessment of irritating effects:

Irritating to eyes, respiratory system and skin.

Sensitization

Information on: MDI

Assessment of sensitization:

The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible. Studies in animals suggest that dermal exposure may lead to pulmonary sensitization. However, the relevance of this result for humans is unclear.

Repeated dose toxicity

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Information on: MDI
Assessment of repeated dose toxicity:
No other known chronic effects.

Carcinogenicity

Information on: gamma-butyrolactone
Results from a number of long-term carcinogenity studies are available. Taking into account all of the information, there is no indication that the substance is carcinogenic.
Information on: MDI
Indication of possible carcinogenic effect in animal tests. However, the relevance of this result for humans is unclear.

Development:

Information on: MDI
The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals.

Aspiration Hazard:

No aspiration hazard expected.

12. Ecological Information

Aquatic toxicity

Information on: MDI
Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product may hydrolyse. The test result maybe partially due to degradation products.

Poorly biodegradable.

The product is unstable in water. The elimination data also refer to products of hydrolysis.

13. Disposal considerations

Waste disposal of substance:

Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

14. Transport Information

Reference Bill of Lading

15. Regulatory Information

Federal Regulations

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Registration status:
Chemical DSL, CA released / listed

WHMIS classification: D2A: Materials Causing Other Toxic Effects - Very toxic material
D2B: Materials Causing Other Toxic Effects - Toxic material
D1A: Materials Causing Immediate and Serious Toxic Effects - Very toxic 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

We support 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.

MSDS Prepared by:
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MSDS Prepared on: 2010/11/02

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