

MATERIAL SAFETY DATA SHEET

WATSON BOWMAN ACME CORP.

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Prepared by: Department of Environment, Health & Safety
Revision Date: 07/27/06

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Control No. 119879N

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard.

All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

1. **PRODUCT NAME:** WABO[®] PRIMALUB

Chemical Family: Polyisocyanate prepolymer (MDI base) and petroleum hydrocarbon.

2. HAZARDOUS INGREDIENTS:	CASNO	EXPOSURE LIMITS*			CONTENT
		TLV	STEL	PEL	
Modified Diphenylmethane Diisocyanate	Proprietary	0.005ppm	0.02ppm	None	< 70 %
Diphenylmethane Diisocyanate	26447-40-5	None	None	None	< 20 %
Contains: 4,4'-diphenylmethane diisocyanate	101-68-8	0.005ppm	0.02ppm	None	--
Aromatic petroleum distillate	64741-67-9	10ppm	15ppm	10ppm	< 11 %
Contains: Naphthalene	91-20-3	10ppm	15ppm	10ppm	--
Stoddard solvent	8052-41-3	100ppm	500ppm	100ppm	< 17 %

*) Refer to Section 7 for available LD/LC (50) Health Hazard Data.

3. **PHYSICAL DATA:**

Boiling Point (°C):	<105	Water/Oil Distribution	
Percent Volatile:	ca. 70	Coefficient:	N/Av
Freezing Point (°C):	N/Av	Solubility in Water:	None
Vapor Pressure mmHg @20 (°C):	20	Specific Gravity:	0.95
Vapor Density:	4.5	pH:	N/Av
Odor Threshold: (ppm)	N/Av	Evaporation Rate:	N/Av
Appearance: Clear liquid		Odor: Aromatic	
N/Av = Not Available	N/Av = Not Applicable		ca. = Approximate

WABO® PRIMALUB**4. FIRE AND EXPLOSION HAZARD DATA:** HMIS Hazard Rating No. 2 (Moderate)

Flash Point: 39 °C (102 °F) Method: Tagliabue C.C.

Auto-Ignition Temperature: Not Available

Limits of Flammability: LEL: 1.0 % UEL: 6.5 %

Extinguishing Media: Carbon dioxide, foam, dry chemical & water fog.

Special Fire & Unusual Hazards: At higher temperature vapors can cause pressure build up in sealed containers. Use water to cool containers exposed to fire. Self-contained respirator equipment and full protective clothing required when smoke or fumes are generated. Electrical grounding is not recommended.

5. REACTIVITY DATA: HMIS Hazard Rating No. 1 (Slight)

Stability: Avoid contact with moisture reacts evolving CO₂. Do not store at temperatures above 27 °C (80 °F). Not sensitive to mechanical impact.

Incompatibility: Strong oxidizing and reducing agents, strong acids and bases, peroxides and amines. Avoid sources of ignition.

Hazardous Decomposition Products: Oxides of carbon and nitrogen; MDI; traces of hydrogen cyanide and various unknown hydrocarbons from incomplete combustion.

Hazardous Polymerization: Will not occur when handled per instructions.

6. ENVIRONMENTAL AND DISPOSAL INFORMATION:

Action To Take For Spills/Leaks: Ventilate area, eliminate all sources of ignition. Prevent from entering sewers and waterways. Wear skin, eye, and respiratory protection during cleanup. Soak up material with absorbent material and shovel into chemical waste container. Cover container but do **NOT** seal and remove from area. Wash down area with a mixture of liquid detergent (0.2%-0.5%) and ammonium hydroxide (3-8%) in water. Treat the spill area with about 10 parts of solution for each part of material spilled and allow it to react for at least ten (10) minutes. Carbon dioxide will be evolved, leaving insoluble polyureas. Slowly stir the isocyanate waste into the decontamination solution, at about 1 part waste to 10 parts solution. Let stand for 48 hours, allowing carbon dioxide to vent away. Neutralize the waste. Neither the solid nor the liquid portion is a hazardous waste under RCRA, 40 CFR 261.

Waste Disposal Method: Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in accordance with local, state, province and federal regulation. Incineration at agency approved waste-disposal facilities.

WABO® PRIMALUB**7. HEALTH HAZARD DATA:** HMIS Hazard Rating No. 2 (Moderate)

PRIMARY ROUTE OF ENTRY: Inhalation, Dermal, Eyes, Ingestion

Effects Of Overexposure

Inhalation: Vapors can be irritating to mucus membranes in respiratory tract, burning sensation in nose, throat and lungs. Symptoms include runny nose, dry or sore throat, coughing, chest discomfort, shortness of breath, wheezing, laryngitis and reduced lung function. Coughing and chest pain or tightness may also occur, frequently at night. These symptoms may be delayed up to several hours after exposure. Respiratory sensitivity can result in allergic reaction or asthma-like symptoms and on subsequent exposure even below the TLV.

Eyes: May cause severe irritation, tearing and blurred vision and possibly corneal injury.

Skin Contact: Prolonged or repeated exposure may cause skin irritation, redness, skin damage and possible allergic type symptoms causing rash, itching and hives. Data exists showing that repeated dermal exposure can lead to respiratory sensitization.

Skin Absorption: Not expected to be absorbed through skin in sufficient quantity to increase overall toxicity.

LD (50) Dermal CASRN 26447-40-5 9400 mg/kg Rat.

Ingestion: Harmful or fatal if swallowed; contains petroleum distillates. Intake may cause gastrointestinal irritation nausea, vomiting, diarrhea, headache and drowsiness.

LD (50) Oral CASRN 26447-40-5 9400 mg/kg Rat.
Modified MDI > 5000 mg/kg Rat.

Chronic: Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200.

Materials are not known mutagenic, teratogenic, or reproductive health hazards.

One scientific study of workers reported that exposure of isocyanate type chemicals resulted in larger declines in lung function compared to other workers.

8. FIRST AID:

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

WABO® PRIMALUB**8. FIRST AID:** (cont'd)

Ingestion: Do **NOT** induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do **NOT** give anything by mouth to an unconscious person.

9. SPECIAL PROTECTION INFORMATION:

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in area to avoid build up of heavy vapors.

Personal Protection Equipment: Use chemical goggles/safety glasses with side shields and chemical resistant gloves. Wear NIOSH/MSHA respiratory protection whenever airborne concentrations exceed applicable TLV or TWA limits. Work site conditions will vary and appropriate measures must be taken.

Confined spaces, rooms, or tanks are areas where concern for TLV's is especially important. Reference OSHA Regulation 29 CFR 1910.134 for recommended respiratory protection.

10. ADDITIONAL INFORMATION:

Handling and Storage Information: Store in temperature range of 50 to 80 °F (10 to 27 °C). Store away from sources of ignition. Keep containers tightly sealed; avoid air and moisture contamination.

REGULATORY INFORMATION:

Title III Section 302: CASRN 101-68-8 RQ: 5000 LB

Title III Section 311/312 Hazard Category: Acute Health Hazard, Fire Physical Hazard, Reactive Physical Hazard

Title III Section 313: CASRN 101-68-8 < 70 %

State: California No reportable chemicals.

WHMIS Classification: D2B, B2

Canadian Domestic Substance List: All chemicals are listed.

WABO® PRIMALUB10. **ADDITIONAL INFORMATION:** (cont'd)**TRANSPORTATION**Emergency Response Guide No.: 127DOT Reportable Quantity: N/AProper Shipping Name: ADHESIVE

UNNO: UN 1133

Class: 3

Package Group: III

Label: FLAMMABLE

Sub-Label: NONE

Marine Pollutant: NL

P = Moderate

PP = Severe

WS = Water Sheen

NL = Not Listed

ND = Not Determined

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