

MATERIAL SAFETY DATA SHEET



WATSON BOWMAN ACME CORP.

SUBSIDIARY OF BASF
23700 CHAGRIN BLVD.
CLEVELAND, OHIO 44122
216-831-5500

WATSON BOWMAN ACME CORP.
95 PINEVIEW DRIVE
AMHERST, NY 14228
716-691-7566

24 HOUR CONTACT
CHEMTREC
800-424-9300
D.C. AREA 483-7616

Prepared by: Department of Environment, Health & Safety
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Control No. 124028

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[®]THERMOSHIELD

Chemical Family: Aluminosilicate fibers and silica.

2. HAZARDOUS INGREDIENTS:	CASNO	EXPOSURE LIMITS*			CONTENT
		TLV	STEL	PEL	
Refractories, fibers, aluminosilicate	142844-00-6	3 gm/M3*	None	None	ca. 95 %
Silica, Crystalline Quartz ***	14808-60-7	****	None	*****	Trace

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

**) Respirable dust - Particulates Not Otherwise Classified

***) Contains less than 0.1% w/w 53 micron or smaller Crystalline Quartz.

****) 0.1 mg/m3 respirable quartz

*****) 10 mg/m3 divided by %SiO₂+2 (respirable quartz)

3. **PHYSICAL DATA:**

Boiling Point (°C):	N/Av	Water/Oil Distribution	
Percent VOC (w/w):	N/Av	Coefficient:	N/Av
Freezing Point (°C):	N/Av	Solubility in Water:	None
Vapor Pressure mmHg @20 (°C):	N/Av	Specific Gravity:	ca. 2.6
Vapor Density:	> Air	pH:	N/Av
Odor Threshold: (ppm)	N/Av	Evaporation Rate:	N/Av
Appearance: Fluffy white fibers		Odor: Odorless	
N/Av = Not Available	N/Av = Not Applicable		ca. = Approximate

4. **FIRE AND EXPLOSION HAZARD DATA:** HMIS Hazard Rating No. 1 (Slight)

Flash Point: Not flammable

Method: Not Applicable

Auto-Ignition Temperature: Not Applicable

4. **FIRE AND EXPLOSION HAZARD DATA:** HMIS Hazard Rating No. 1 (Slight)

Limits of Flammability: LEL: Not Available UEL: Not Available

Extinguishing Media: Use extinguishing medium suitable for surrounding fire.

Special Fire & Unusual Hazards: 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. 0 (Minimal)

Stability: Stable. Not sensitive to mechanical impact.

Incompatibility: Strong alkalis and strong mineral acids. Hydrofluoric acid slowly dissolves silicon dioxides (Silicon Tetrafluoride, a toxic substance, is formed.).

Hazardous Decomposition Products: Oxides of carbon and nitrogen; trace amounts of aromatic and aliphatic hydrocarbons from incomplete combustion.

Hazardous Polymerization: Will not occur.

6. **ENVIRONMENTAL AND DISPOSAL INFORMATION:**

Action to Take for Spills/Leaks: Wear appropriate protective equipment. Take action to eliminate source of leak; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal.

Waste Disposal Method: Handle disposal of waste material in accordance with local, state, province and federal regulation. Landfill at agency approved waste-disposal facilities.

7. **HEALTH HAZARD DATA:** HMIS Hazard Rating No. 1 (Slight)

PRIMARY ROUTE OF ENTRY: Inhalation, Eyes

Effects Of Overexposure

Inhalation: Can cause transient irritation to mucus membranes and upper respiratory tract.

Eyes: Contact can cause irritation, redness, tearing and blurred vision. Abrasive action can cause damage to outer surface of eye.

Skin Contact: Contact can cause irritation and redness. Abrasive action can cause irritation and redness.

Skin Absorption: Does not absorb through skin.

Ingestion: Not likely source of entry due to nature of material.

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

7. **HEALTH HAZARD DATA:** (cont'd)Chronic: (cont'd)

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

Note: May contain trace quantities of crystalline silica. Repeated inhalation of respiratory silica in excess of the TLV over extended periods can result in irreversible fibrosis of the lungs (silicosis). An IARC evaluation concluded that there is sufficient evidence (Group 1) that crystalline silica may be carcinogenic to humans.

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.

Ingestion: Do **NOT** induce vomiting; wash out mouth with water; get immediate medical attention if intestinal discomfort occurs. 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 work area to avoid build up of heavy concentrations of fibers, mist or vapors depending on method of application.

Personal Protection Equipment: Do **NOT** wear contact lenses when working with this material. Use safety glasses with side shields and suitable cloth or leather gloves. Selection of specific items such as boots and apron will depend on operation. Wear respirator protection whenever airborne concentrations exceed TLV or TWA limits, use NIOSH/OSHA approved respirators equipped with an appropriate dust cartridge for listed hazard.

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

10. **ADDITIONAL INFORMATION:**

Average Shelf Life: Refer to Product Data Sheet.

Special Instructions: Store in cool, dry place.

REGULATORY INFORMATION:

Title III Section 302: No reportable chemicals.

Title III Section 311/312: Health hazard: None
Physical hazard: None

WABO®THERMOSHIELD



10. **ADDITIONAL INFORMATION:** (cont'd)

REGULATORY INFORMATION: (cont'd)

Title III Section 313: None above de minimis.

State: California This product contains a chemical known to the state of California to cause cancer.

Silica, Crystalline Quartz (Respirable) 14808-60-7 Trace

WHMIS Classification: Not controlled.

Canadian Domestic Substance List: Class D, Div. 2, Sub A

TRANSPORTATION

National Motor Freight Classification (NMFC): NOT DETERMINED

Proper Shipping Name: WABO® THERMOSHIELD

Emergency Response Guide Page No.: NOT REGULATED

DOT Reportable Quantity: NOT REGULATED

Marine Pollutant: NL

P = Moderate

PP = Severe

WS = Water Sheen

NL = Not Listed

ND = Not Determined

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