

MATERIAL SAFETY DATA SHEET

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Control No. 124259

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[®] URA Sealant, Part A

Chemical Family: Polyurethane

2. HAZARDOUS INGREDIENTS:	CASNO	EXPOSURE LIMITS*		PEL	CONTENT
		TLV	STEL		
Polycyclic aromatic hydrocarbon	64742-90-1	0.2 mg/m3	None	0.2 mg/m3	ca. 50%
Naphthalene	91-20-3	10 ppm	15 ppm	10 ppm	ca. 6%
Anthracene	120-12-7	None	None	None	< 5%
Toluene diisocyanate	26471-62-5	0.005 ppm	None	0.02 ppm**	< 1%

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

(**) Ceiling limit.

3. **PHYSICAL DATA:**

Boiling Point (°C):	> 200	Water/Oil Distribution	
Percent VOC (w/w):	N/Av	Coefficient:	N/Av
Freezing Point (°C):	N/Av	Solubility in Water:	Negligible
Vapor Pressure mmHg @20 (°C):	N/Av	Specific Gravity:	1.04
Vapor Density:	> Air	pH:	N/Av
Odor Threshold: (ppm)	N/Av	Evaporation Rate:	< ether
Appearance: Black liquid		Odor: Solvent	
N/Av = Not Available	N/Av = Not Applicable		ca. = Approximate

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

Flash Point: > 93 °C (> 200 °F) Method: Tagliabue C.C.

Auto-Ignition Temperature: Not available

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

Wabo® URA Sealant, Part A**4. FIRE AND EXPLOSION HAZARD DATA:** (cont'd)

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. Vapors heavier than air can concentrate, travel to source of ignitions, and flash back. Residue in container can ignite explosively. Electrical grounding is recommended when transferring material in containers 1 gallon (4 liters) or larger.

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

Stability: Stable. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

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

Hazardous Decomposition Products: Oxides of carbon and nitrogen; various unknown hydrocarbons from incomplete combustion. Potential formation of peroxides. If peroxide formation is suspected, do not open or move container. Avoid sources of ignition.

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. Wear appropriate protective gear. Contain leak or spill. Salvage and clean up residue with absorbent material. Remove collected material to safe and well-ventilated or outdoor area. Treat with water containing 1% ammonia.

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

7. HEALTH HAZARD DATA: HMIS Hazard Rating No. 2 (Moderate)

PRIMARY ROUTE OF ENTRY: Inhalation, Dermal, Eyes

Effects Of Overexposure

Inhalation: Can cause irritation to mucous membranes and upper respiratory system. May cause dry throat, cough, shortness of breath which may result in sinusitis, bronchitis or asthma. Pulmonary sensitization can occur in some individuals.

Eyes: Can cause moderate irritation, tearing, blurred vision and possible corneal injury.

Skin Contact: Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis. Skin sensitization or allergic reaction may occur in some individuals.

Skin Absorption: Skin exposure can cause allergic dermatitis. Persons with pre-existing skin disorders may be more susceptible to skin irritation and dermatitis.

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

Effects Of Overexposure (cont'd)

Ingestion: Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and headache.

Chronic: Toluene diisocyanate (26471-62-5): Listed by IARC as a Group 2B Carcinogen. "Possibly Carcinogenic to humans". Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. Human mutation data reported.

Prolonged exposure to solvent may lead to permanent nervous system damage. Individuals with past history of isocyanate hypersensitivity must not be exposed to spray mist containing isocyanates. Medical conditions which are generally aggravated by exposure include: asthma and lung or nervous system disorders.

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; 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 work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do **NOT** wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and Rubber/Nitrile 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 organic vapor 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. Keep away from sparks, heat and open flames.

Wabo® URA Sealant, Part A10. **ADDITIONAL INFORMATION:** (con't)**REGULATORY INFORMATION:**

Title III Section 302: CASRN 91-20-3 RQ: 100 LB.
120-12-7 RQ: 5000 LB.

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

Title III Section 313: CASRN 91-20-3 < 7 %
120-12-7 < 5 %

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

Toluene diisocyanate 26471-62-5 < 1.0 %

WHMIS Classification: Class D, Div. 2, Sub A
Class D, Div. 2, Sub B

Canadian Domestic Substance List: All chemicals are listed.

TRANSPORTATION

National Motor Freight Classification (NMFC): 46030 Sub: 2 Class: 55

Description: RESIN COMPOUNDS

Emergency Response Guide Page No.: NOT REGULATED

DOT Reportable Quantity: NOT REGULATED

Proper Shipping Name: NOT REGULATED - USE NMFC DESCRIPTION

Marine Pollutant: NL

P = Moderate

PP = Severe

WS = Water Sheen

NL = Not Listed

ND = Not Determined

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