

Material Safety Data Sheet

24-Hour Emergency Telephone Number
1-800-424-9300 (Chemtrec)



MSDS #: 90050

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DATE OF PREPARATION: 4/30/2001

LAST REVISION DATE: 4/14/1998

HMIS Ratings:

HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 0
PROTECTION: G

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: WOODLINE® POLYURETHANE (SATIN)
PRODUCT DESCRIPTION: OIL MODIFIED URETHANE FINISH FOR WOOD FLOORS

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
AMORPHOUS SILICA	7631-86-9	<2%	N/E	80 mg/m3	N/E
PETROLEUM DISTILLATES - LIGHT	64742-47-8	60%	N/E	500 PPM	2.00 @ 20C

SECTION III - PHYSICAL DATA

BOILING RANGE: 300F-330F (149-166C) EVAPORATION RATE: Slower than n-Butyl Acetate
% VOLATILE - WT: 57 DENSITY: 7.42 LBS/GAL (0.89KG/L)
VAPOR DENSITY: Heavier than air SOLUBILITY IN WATER: Insoluble
PRODUCT CHARACTERISTICS: Amber, slightly thick liquid with solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA - Combustible Liquid Class II

FLASH POINT: 103F (39C) PMCC

% OF VOL. OF FLAMMABLE LIMITS (Upper): 11.00 (Lower): 1.00

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, and/or Water Fog

UNUSUAL FIRE EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Extinguish all sources of flame or spark. Keep containers tightly closed when not in use. Closed containers may explode when exposed to extreme heat. DANGER: Rags, steel wool or waste contaminated with this product may spontaneously catch fire. Immediately after each use, place contaminated rags, steel wool or waste in a sealed, water-filled metal container.

SPECIAL FIREFIGHTING PROCEDURES:

See 2000 North American Emergency Response Guidebook - Guide 128. Wear self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Irritating or toxic substances may be emitted upon thermal decomposition. Avoid breathing vapors.

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SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** Overexposure to ingredients in this product may cause eye irritation. In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.
- SKIN CONTACT:** Overexposure to ingredients in this product may cause moderate irritation. In case of contact, wash thoroughly with soap and water. If irritation persists, consult a physician.
- INHALATION:** Overexposure to ingredients in this product may cause nasal and respiratory irritation, dizziness, headache and nausea. If affected by inhalation of vapor or spray mist, remove to fresh air.
- INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, do NOT induce vomiting. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. Consult a physician immediately.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Ingestion, Skin Absorption
- REGULATORY DATA:** Section 313 supplier notification: This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40CFR 372: None. This product contains the following chemical(s) which are known to the state of California to cause cancer or to cause birth defects or other reproductive harm: None.
- TOXICITY INFO:** Overexposure to some components of this product has been associated with mild, reversible liver effects. See Section II for exposure limits. See Section VIII for safe handling and use information.

SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, Ammonia Compounds, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will Not Occur

SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area and eliminate all ignition sources. Dike or contain spill and absorb with inert absorbent. Prevent spilled material from entering sewers, drains or bodies of water.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container, and unused contents in accordance with local, state/provincial and federal regulations.
- SHIPPING INFORMATION:** DOT- regulated material only if shipped by air. DOT classification: Paint, 3, UN1263, PGIII. Exempt for road/rail/ocean under 49 CFR 173.150

SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges. In emergency conditions or IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure, self-contained breathing apparatus or full facepiece airline respirator.

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VENTILATION:	Use with adequate general and/or local ventilation to maintain exposure level below TLV. Intentional misuse by concentrating and inhaling the contents can be harmful or fatal. Delayed effects from long-term exposure: Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.
PROTECTIVE GLOVES:	Wear chemical-resistant gloves such as nitrile rubber.
EYE PROTECTION:	Use chemical splash goggles or OSHA-permitted safety glasses. Have an eyewash station available.
OTHER PROTECTIVE EQUIPMENT:	Wear impervious clothing to avoid repeated or prolonged skin contact.
HYGIENIC PRACTICES:	Wash hands with soap and water before eating or using rest rooms. Remove and wash contaminated clothing before re-use.

SECTION IX - MISCELLANEOUS

Do not transfer contents to bottles or other unlabeled containers. Do not store in high temperature (above 100F or 38C) environment. Keep from freezing.

*****KEEP OUT OF THE REACH OF CHILDREN*****

KEY CODE

HMIS = Hazardous Materials Information System

- 0 = Minimal Hazard
- 1 = Slight Hazard
- 2 = Moderate Hazard
- 3 = Serious Hazard
- 4 = Severe Hazard

N/A = Not Applicable

N/E = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists

OEL = Occupational Exposure Limits

PEL = Permissible Exposure Limit = exposure limit to an airborne contaminant in a workday set by OSHA

TLV = Threshold Limit Value = Time-weighted average concentration for a normal 8-hour workday without adverse effect.

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

For additional health and safety information, call the BonaKemi Compliance Department at (303) 371-1411.

The identities of ingredients are withheld as proprietary information. The information on this data sheet represents our best opinion as to the proper use and handling of this product under normal conditions, based upon information compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine the suitability of this product for a specific purpose and to adopt such safety precautions as may be necessary. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

BEFORE USING ANY PRODUCT, READ THE LABEL.