

Material Safety Data Sheet

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



MSDS #: 80210

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DATE OF PREPARATION: 4/26/2004
LAST REVISION DATE: 4/26/2004

HMIS Ratings:

HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 1
PROTECTION: B

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: BONA EON 70 HARDENER
PRODUCT DESCRIPTION: WOOD FLOOR FINISH HARDENER

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE- mm Hg
			ACGIH-TLV	OSHA-PEL	
ALIPHATIC POLYISOCYANATE	---	50-75%	N/E	N/E	
DIPROPYLENE GLYCOL DIMETHYL ETHER	111109-77-4	25-50%	N/E	N/E	0.7 @ 20C
HEXAMETHYLENE-1,3-DIISOCYANATE	822-06-0	<0.15%	0.005 PPM		

SECTION III - PHYSICAL DATA

BOILING RANGE: >212F (100C) EVAPORATION RATE: Slower than n-butyl acetate
% VOLATILE - WT: 35 DENSITY: 8.78 LBS/GAL (1.06KG/L)
VAPOR DENSITY: Heavier than air SOLUBILITY IN WATER: Not soluble
PRODUCT CHARACTERISTICS: Colorless, slightly viscous liquid with solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA - Combustible Liquid Class IIIA

FLASH POINT: 148F (64C) PMCC

% OF VOL. OF FLAMMABLE LIMITS (Upper): N/A (Lower): N/A

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical

UNUSUAL FIRE EXPLOSION HAZARDS: Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool containers to prevent pressure build-up. In emergency conditions, IDLH (Immediately Dangerous to Life or Health) atmospheres, use a NIOSH-approved, positive pressure (air-fed), self-contained breathing apparatus or full facepiece airline respirator.

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SECTION V - HEALTH HAZARD DATA AND FIRST AID PROCEDURES

- EYE CONTACT:** May cause irritation, redness and tearing. In case of contact, flush immediately with large amounts of water and obtain medical attention.
- SKIN CONTACT:** Prolonged or repeated contact may cause drying and/or sensitiation of the skin. In case of contact, remove contaminated clothing. Wash area with soap and water. Seek medical attention if irritation, rash or other symptoms persist.
- INHALATION:** Excessive inhalation of vapors may cause dizziness and possible headache. If affected by inhalation, remove to fresh air.
- INGESTION:** May cause gastrointestinal irritation and nausea. If swallowed, drink 1 or 2 glasses of water to dilute. Get medical attention.
- PRIMARY ROUTES OF ENTRY:** Inhalation, Dermal and Eye Contact

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: No ingredients in this product are listed by OSHA, IARC or NTP as a carcinogen, teratogen, mutagen, or as having toxic reproductive effects. This preparation may cause acute irritation and/or sensitization of the respiratory system. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. See Section II for exposure limits. See Section VIII for safe handling and use information.

SECTION VI - REACTIVITY DATA

- STABILITY:** Stable
- HAZARDOUS DECOMPOSITION PRODUCTS:** Usual products of combustion, e.g. Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides
- HAZARDOUS POLYMERIZATION:** Will Not Occur
- INCOMPATIBILITY (MATERIALS TO AVOID):** Strong Oxidizers
- REACTIVITY WITH WATER:** Will react with water but not violently.

SECTION VII - SPILL OR LEAK PROCEDURES

- IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area. Remove with inert absorbent.
- WASTE DISPOSAL:** Dispose of contaminated absorbent, container and unused contents in accordance with local, state/provincial and federal regulations.
Empty container Precautions: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal by adding water to the one-quart line. Recap. Shake vigorously. Dispose of.
- SHIPPING INFORMATION:** Not regulated as a DOT hazardous material.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

- RESPIRATORY PROTECTION:** PRODUCT NOT INTENDED FOR SPRAY APPLICATIONS. In areas where TLV is exceeded, use a NIOSH-approved, properly fitted, air-purifying respirator with organic vapor cartridges.

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- VENTILATION:** Use with adequate general and/or local ventilation to maintain exposure level below TLV.
- 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.

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.