

Material Safety Data Sheet

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



MSDS #: 74444

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DATE OF PREPARATION: 4/30/2001
LAST REVISION DATE: 11/1/1999

HMIS Ratings: HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 0
PROTECTION: G

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: ETURA HARDENER
PRODUCT DESCRIPTION: ACID HARDENER FOR ETURA FINISH

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	% WEIGHT	Occupational Exposure Limits		VAPOR PRESSURE - mm Hg
			ACGIH-TLV	OSHA-PEL	
DIPROPYLENE GLYCOL METHYL ETHER (DPM)	34590-94-8	<5%	100 PPM	100 PPM	0.55 @ 25C
ETHANOL	64-17-5	60-80%	1000 PPM	1000 PPM	44.0 @ 20C
HYDROCHLORIC ACID	7647-01-0	<5%	5 PPM	5 PPM	78 @ 20C
p-TOLUENESULPHONIC ACID	104-15-4	5-10%	N/E	N/E	27 @ 140C
PROPYLENE GLYCOL METHYL ETHER	107-98-2	5-10%	100 PPM	N/E	12.5 @ 25C

SECTION III - PHYSICAL DATA

BOILING RANGE: >78C (172F) EVAPORATION RATE: Slower than n-Butyl Acetate
% VOLATILE - WT: >90% DENSITY: 7.2 LBS/GAL (0.86KG/L)
VAPOR DENSITY: Heavier Than Air SOLUBILITY IN WATER: Miscible
PRODUCT CHARACTERISTICS: Colorless Liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA - Flammable Liquid Class IB
FLASH POINT: 15C (59F)
% OF VOL. OF FLAMMABLE LIMITS (Upper): 1.1 (DPM) (Lower): 19.0 (Ethanol)
EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Water Spray, or Regular Foam

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.

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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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. Keep in a tightly closed container, in a cool, dry, ventilated area between 0C (32F) and 30C (86F). Close container after each use. Do not smoke. Use sparkless tools. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Keep away from heat, sparks and flame.

*****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.