

The Clausen Company  
PO Drawer 140  
Fords, NJ 08863  
732-738-1165

Material Safety Data Sheet

July 6, 2006  
Liquid Hardener

SECTION I- PRODUCT IDENTIFICATION

Synonyms: LH-2, LH-3  
Hazard Class: Combustible Liquid

Chemical Class: Plasticizer  
Emergency Contact: 1-800-424-9300

Section II- HAZARDOUS COMPONENTS

Ingredient	CAS #	Percent	OSHA PEL
MEK Peroxide	1338-23-4	20-50%	0.7 ppm, Ceiling
Dimethyl Phthalate	131-11-3	10-60%	5.0 mg/cu M
Methyl Ethyl Ketone	78-93-3	0-5%	200 PPM, twa-8; 300 ppm, STEL- 15 min
Hydrogen Peroxide	7722-84-1	0-10%	1 ppm, TWA-8

SECTION III- PHYSICAL DATA

Properties

Boiling Point: Decomposes  
Vapor Pressure: Not determined  
Vapor Density: Heavier than air  
Specific Gravity: 1.1 g/mL

Solubility in Water: Slightly soluble  
Appearance: Clear, oily liquid  
Odor: Characteristic solvent odor  
Evaporation Rate: Slower than ether

SECTION IV- FIRE & EXPLOSION DATA

EXTINGUISHING MEDIA: Carbon dioxide, foam, water fog or dry chemical

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and various hydrocarbons may form

SPECIAL FIREFIGHTING PROCEDURES: Use SCBA in Pressure-Demand or Positive Pressure mode. Styrene vapors are heavier than air and may travel some distance from their source before igniting. Do not use welding/cutting equipment or other ignition sources on or near drums of product.

FLASH POINT: >140 Deg. F.

FLAMMABLE LIMITS: Not determined

#### SECTION V- REACTIVITY DATA

HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
STABILITY:	STABLE
INCOMPATIBILITIES:	Acids and alkalis; oxidizing agents, amines, metal salts
CONDITIONS TO AVOID:	Exposure to excessive heat, open flames or sparks; storage for more than 30 days

#### SECTION VI- HEALTH HAZARD DATA

##### EFFECTS OF OVEREXPOSURE

May be absorbed through the skin. Contact with eyes or other mucous membranes may cause irritation or burns. Inhalation may cause nausea, dizziness, loss of coordination, headache, weakness, fatigue or unconsciousness. Excessive skin contact may lead to rashes or infection by defatting the skin. Prolonged exposure to high concentrations of vapor may lead to nerve, lung, kidney and/or liver damage.

No evidence of carcinogenicity has been shown.

##### CONDITIONS AGGRAVATED BY EXPOSURE

None known.

#### SECTION VII- SPILL & LEAK PROCEDURES

SMALL SPILLS/LEAKS:	Collect spills with absorbent material such as paper, vermiculite or Speedy-Dri®, and place in lab hood or remove to open air.
LARGE SPILLS/LEAKS:	Stop source of leak at its source. Remove all sources of ignition. Contain spilled material to prevent spreading. Transfer spilled material to salvage container. Remove residual as above. Use protective equipment and ventilate area.
DISPOSAL:	Collected material must be disposed of in accordance with existing local, state, and federal regulations, including SARA III provisions for hazardous waste reporting.

#### SECTION VIII- PERSONAL PROTECTIVE EQUIPMENT

Neoprene or nitrile rubber gloves and apron, chemical splash goggles and proper half-face respirators if the ambient styrene levels exceed the OSHA PEL. NOTE: The use of respirators requires a Respirator Training Program for users. Full-length shirt and trousers must be worn.

#### SECTION IX- EMERGENCY FIRST AID PROCEDURES

Wash exposed skin thoroughly with soap and water. Remove and launder contaminated clothing. For eye contact, flush completely with tepid water, lifting upper and lower lids. A physician must examine affected eyes. If swallowed, DO NOT INDUCE VOMITING. Keep the person warm and calm. Get medical attention promptly. For inhalation, remove the person to fresh air. If breathing is labored, administer oxygen. If breathing has stopped, use artificial respiration. Keep the person warm and quiet, and get medical attention.

#### SECTION X- OTHER INFORMATION

Dimethyl phthalate and Methyl Ethyl Ketone are subject to the reporting requirements of SARA 111, Section 313.

Prepared by: Shotwell Associates. TELE. 908-850-1796

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