
MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : LACQUER THINNER
 IDENTIFICATION NUMBER : MS 3 9
 PRODUCT USE/CLASS :

DATE PRINTED: 06/18/02

SUPPLIER:
 The Nelson Paint Co of Michigan Inc
 PO Box 2040
 Kingsford, MI 49802-2040

MANUFACTURER:
 The Nelson Paint Co of Michigan Inc
 PO Box 2040
 Kingsford, MI 49802-2040

EMERGENCY TELEPHONE : 800-255-3924
 CHEMTEL : 24 hours

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 CHEMTEL : 24 hours

PREPARER: Doyle Yoder, PHONE: 906-774-5566, PREPARE DATE: 11/09/98

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT		OCCUPATIONAL EXPOSURE LIMITS			SKIN
		IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	
Ethyl Acetate	141-45-6	10.0 %	400ppm	N.E.	400ppm	N.E.	NO
Xylene	1330-20-7	55.0 %	100ppm	125ppm	100ppm	N.E.	NO
Denatured Alcohol	64-17-5	5.0 %	1000ppm	N.E.	1000ppm	N.E.	YES
N-Butyl Acetate	123-86-4	30.0 %	150ppm	N.E.	150ppm	N.E.	NO
N-Butyl Alcohol	71-36-3	20.0 %	50ppm	N.E.	50ppm	N.E.	YES

(See Section XI for abbreviation legend)

SECTION III - PHYSICAL DATA

BOILING RANGE :	168 - 289 F	VAPOR DENSITY :	Is heavier than air
ODOR :	Strong Solvent	SPECIFIC GRAVITY :	0.8598
APPEARANCE :	Clear Liquid	EVAPORATION RATE :	Is faster than Butyl Acetate
SOLUBILITY IN H2O :	Partial		
VOLATILE BY WEIGHT :	100.0 %	VOLATILE BY VOLUME :	100.0 %
VOCS, lbs/gal :	7.16	VOCS, grams/ltr :	858

(See Section XI for abbreviation legend)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT :	24 F	LOWER EXPLOSIVE LIMIT :	1.0 %
		UPPER EXPLOSIVE LIMIT :	25.0 %

EXTINGUISHING MEDIA : ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.
 Keep containers tightly closed . Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Exposure causes skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, skin burns and skin damage. Pre-existing skin disorders may be aggravated by exposure to this material.

Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

EFFECTS OF OVEREXPOSURE - INHALATION: Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.

Symptoms of exposure may include: -irritation (nose, throat, respiratory tract) - Pre-existing lung disorders, E.G. asthma-like conditions, may be aggravated by exposure to this material. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis (characterized by bluish discoloration of the skin and nails) may result from over-exposure to vapor or skin exposure.

EFFECTS OF OVEREXPOSURE - INGESTION: Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

Symptoms may include:

-Mouth and throat irritation

-Gastrointestinal irritation (nausea, vomiting, diarrhea).

-Central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals.

This material (or a component) shortens the time of onset or worsens the neurotoxic effects induced by other chemicals.

Over exposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans:

mild, reversible liver effects, mild, reversible kidney effects. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for 15 minutes. Get immediate medical attention.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Wash with soap and water. Remove soiled clothing. Wash clothing separately before reuse. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: Keep person warm, quiet and get immediate medical attention. Do NOT induce vomiting, because aspiration of material into the lungs from vomiting can cause chemical pneumonitis which can be fatal.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION EYE CONTACT SKIN ABSORPTION

SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: May form:., Carbon Dioxide and Carbon Monoxide, etc.

CONDITIONS TO AVOID: Heat, sparks and open flames.

INCOMPATIBILITY: Avoid contact with: strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment. Dike around spilled material. Cover spill with absorbent material and shovel with non-sparking tools into container. Remove containers to safe area and seal. Avoid runoff into storm sewers and ditches which lead to waterways.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

VENTILATION: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves, a chemical suit and rubber boots.

EYE PROTECTION: Do not wear contact lenses. Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Where splashing is possible, full chemically resistant protective clothing and boots are required.

HYGENIC PRACTICES: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor Liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Wash hands before eating or smoking. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from incompatible substances. Wash thoroughly after handling. Keep away from heat, sparks and flame. Keep container closed when not in use.

OTHER PRECAUTIONS: Warning!!! Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

SECTION X - HMIS RATINGS

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 1

SECTION XI - OTHER REGULATIONS

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
Xylene	1330-20-7	55.0 %
N-Butyl Alcohol	71-36-3	20.0 %

PREVIOUS MSDS REVISION DATE: 01/28/97

LEGEND : N.A. - Not Applicable, N.E. - Not Established
N.D. - Not Determined

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(END OF MSDS)