

Product Code: 178-1  
 Product Name: LACQUER SANDING SEALER (1 GAL)

GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036  
 24-hour Emergency Phone: 800-510-8510

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

(SEE TOP OF PAGE)

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT/EXPOSURE LIMITS	CAS#
TOLUENE	108-88-3
OSHA PEL: 200ppm	
ACGIH TLV 50ppm	
CELLULOSE NITRATE 31	MIXTURE
AQUEOUS ISOPROPANOL; OSHA PEL 400 ppm	
XYLENE	1330-20-7
MIXED XYLENES: OSHA TWA 100ppm, ACGIH 100ppm	
ETHYLBENZENE: OSHA TWA 100ppm, ACGIH TLV 100ppm	
ROSIN BASED RESIN 25	68038-41-5
ETHANOL	64-17-5
OSHA: 1000 PPM PEL-TWA	
NIOSH: 1000 PPM PEL-TWA	
ISOBUTYL ACETATE	110-19-0
OSHA: PEL 150ppm-TWA	
ACGIH TLV 150ppm-TWA	
NITROCELLULOSE	9004-70-0
PLASTICIZER	68515-42-4
METHYL ISOBUTYL KETONE	108-10-1
OSHA: 50 PPM PEL-TWA	
OSHA: 240 MILLIGRAMS PER CUBIC METER-TWA [SKIN]	
OSHA: 700 PPM IDLH	
NIOSH: 5 PPM REL-TWA	
NIOSH: 24 MILLIGRAMS PER CUBIC METER-TWA [SKIN]	
ISOPROPANOL	67-63-0
400ppm TWA8 ACGIH, 983 mg/m3 TWA8 ACGIH	
980mg/m3 TWA8 OSHA, 500ppm STEL OSHA	
ISOBUTYL ISOBUTYRATE	97-85-8
ACGIH TLV: NOT ESTABLISHED	
OSHA PEL: NOT ESTABLISHED	
METALLIC STEARATE	557-05-1

**3. HAZARDS IDENTIFICATION**

FLAMMABLE IN A LIQUID STATE  
 HIGH VAPOR CONCENTRATIONS MAY CAUSE MILD EYE AND SKIN IRRITATION.

**POTENTIAL HEALTH EFFECTS**

**SKIN:**

Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.

**INGESTION:**

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

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**INHALATION:**

High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs.

**4. FIRST AID MEASURES**

**EYES:**

Flush with luke warm water for a minimum of 15 minutes. Seek medical attention immediately.

**SKIN:**

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

**INGESTION:**

Rinse mouth immediately. Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting. Contact physician or poison control center immediately.

**INHALATION:**

Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASSIFICATION: CLASS 1B**

**LOWEST FLASH POINT: 40F**

**METHOD:**

DOT: FLAMMABLE LIQUID

**FLAMMABLE LIMITS:**

**LOWER FLAMMABLE LIMIT: 0**

**UPPER FLAMMABLE LIMIT: 7.59**

**EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry Chemical.**

The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA Class 1B flammable liquid fires.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame.

**FIREFIGHTING INSTRUCTIONS:**

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bun coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

**6. ACCIDENTAL RELEASE MEASURES**

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

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If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

## 7. HANDLING AND STORAGE

### HANDLING:

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. 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 this sheet must be observed.

### STORAGE:

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

### SKIN PROTECTION:

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, butyl or nitrile. An apron should be worn to avoid skin contact.

### EYE PROTECTION:

Wear splashproof goggles and face shield if there is a likelihood of contact with eyes.

### HYGENIC PRACTICES:

Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 180F

MELTING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: Heavier Than Air

SOLUBILITY IN WATER: N/A

SPECIFIC GRAVITY: .92

COATING VOC LB/GL: 5.5861 lb/gl

COATING VOC GM/LTR: 669 g/l

MATERIAL VOC LB/GL: 5.5859 lb/gl

MATERIAL VOC GM/LTR: 669 g/l

% VOLATILE BY VOLUME: 78.975%

EVAPORATION RATE: Faster than Butyl Acetate.

WEIGHT PER GALLON: 7.662 lb/gl

PH: N/A

ODOR: N/A

APPEARANCE: N/A

## 10. STABILITY AND REACTIVITY

### CHEMICAL STABILITY:

Stable      Conditions to Avoid: high heat, sparks, flames.

### INCOMPATIBILITY

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Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxidation may produce carbon and nitrogen oxides.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**CANCER INFORMATION:**

This product contains no reported carcinogens or suspected carcinogens.

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

This product contains no reported or suspected teratogens.

**REPRODUCTION INFORMATION:**

Toluene is a chemical known to the state of California to cause birth defect or other reproductive har

**12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:**

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewer

**13. DISPOSAL CONSIDERATIONS**

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations.

**14. TRANSPORT INFORMATION**

DOT NUMBER: UN1263

**15. REGULATORY INFORMATION**

HMIS HAZARD INDEX: 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST

HEALTH: 2

FLAMMABILITY: 3

REACTIVITY: 0

PERSONAL PROTECTION: I

**SECTION 313:**

This product contains the following toxic chemicals subject to the reporting requirements of section 3 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372 (Chemicals listed below constitute the specific percentage of product by weight. Chemicals that do not have a listed percentage comprise less than 1% of total product weight):

		% BY WT
* TOLUENE	108-88-3	24
* XYLENE	1330-20-7	17
* METHYL ISOBUTYL KETONE	108-10-1	6

**16. DISCLAIMER:**

The following supercedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herin is believed to be reliable. HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OF WARRENTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS.

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