1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LACQUER WASH 3
PRODUCT CODE: LW3

MANUFACTURER
Tarr, LLC
P.O. Box 12570
Portland OR 97212

Education Number: 503-288-5294

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Poison. Flammable. Vapor harmful. May be fatal or cause blindness if swallowed. Avoid prolonged breathing of vapors. Avoid contact with eyes and skin.

POTENTIAL HEALTH EFFECTS

EYES: Liquid is moderately irritating to the eyes. High vapor concentrations may also be irritating. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness.

SKIN: Liquid is mildly irritating to the skin. May cause a burning sensation, redness and/or swelling. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: POISONOUS. May be fatal or cause blindness if swallowed. Ingestion may have a narcotic effect including signs of CNS depression such as dizziness, headache, drowsiness, loss of coordination, and fatigue.

INHALATION: Vapors may be irritating to the nose, throat, and respiratory tract. Exposure to high vapor concentrations may cause central nervous system (CNS) depression.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea; in extreme cases, unconsciousness and death may occur. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis.

CHRONIC EFFECTS: Laboratory studies have shown that petroleum distillates may cause kidney, liver, or lung damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Not listed as a carcinogen by the NTP, IARC, or OSHA.

MEDICAL CONDITIONS AGGRAVATED: Preexisting eye, skin and respiratory disorders may be
aggravated by exposure to this product. Impaired function from preexisting disorders may be aggravated by exposure to this product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>25-35</td>
<td>000067-64-1</td>
</tr>
<tr>
<td>Methanol</td>
<td>2-6</td>
<td>000067-56-1</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>1-11</td>
<td>000067-63-0</td>
</tr>
<tr>
<td>Benzene, methyl-</td>
<td>38-42</td>
<td>000108-88-3</td>
</tr>
<tr>
<td>Solvent naphtha, light aliphatic</td>
<td>15-25</td>
<td>064742-89-8</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

**SKIN:** Remove contaminated clothing/shoes. Flush skin with water for at least 15 minutes. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

**INGESTION:** Call poison control center or get medical help immediately. If patient is conscious and alert, give 8 ounces of water or juice and induce vomiting, keeping patient's head below hips to prevent aspiration of liquid into lungs.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 18.3°C (1°F) TAG CC

**FLAMMABLE LIMITS:** 0.01 to 0.07

**AUTOIGNITION TEMPERATURE:** Not Determined

**EXTINGUISHING MEDIA:** Use regular foam, water fog, carbon dioxide, dry chemical.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide and unidentified organic compounds may be formed during combustion.

**EXPLOSION HAZARDS:** When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

**FIRE FIGHTING PROCEDURES:** WARNING. Poisonous and Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.
**FIRE FIGHTING EQUIPMENT:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

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### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** WARNING. Poisonous and Flammable Liquid. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency.

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### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

**HANDLING:** Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**STORAGE:** Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

**COMMENTS:** KEEP OUT OF REACH OF CHILDREN! 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.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION
EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Supplier OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ppm</td>
<td>mg/m³</td>
<td>ppm</td>
</tr>
<tr>
<td>Acetone</td>
<td>TWA 1000</td>
<td>2400</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td></td>
<td>750</td>
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<tr>
<td>Methanol</td>
<td>TWA 200</td>
<td>260</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td></td>
<td>250</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>TWA 400 ppm</td>
<td>980 mg/m³</td>
<td>200 ppm 490 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>ppm mg/m³</td>
<td>400 ppm 960 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL 300 [2]</td>
<td>[2]</td>
<td></td>
</tr>
</tbody>
</table>

OSHA TABLE COMMENTS:
1. NL = Not Listed
2. C = Ceiling
3. S = Skin
4. Our supplier has adopted, as Interim Standards, the OSHA PELs that were established in 1989 and later rescinded.
5. In the absence of occupational exposure standards for this product, it is recommended that these values are adopted.

ENGINEERING CONTROLS: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

SKIN: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-suppling respirator or an air-purifying respirator for organic vapors.

WORK HYGIENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Characteristic odor.

COLOR: Clear, colorless to slightly yellow-colored liquid.

PERCENT VOLATILE: 100

VAPOR PRESSURE: 24 - 181

VAPOR DENSITY: Heavier than air.

BOILING POINT: (133°F) to (232°F)

MELTING POINT: Not Determined

FLASHPOINT AND METHOD: 18.3°C (1°F) TAG CC

SOLUBILITY IN WATER: Soluble in most ketones and hydrocarbons, solubility negligible in water.

EVAPORATION RATE: Slower than ether.

DENSITY: 6.785 at (68°F)

SPECIFIC GRAVITY: 0.805 to 0.895 at (68°F)

(VOC): ~ 4.793 lbs./gal.

COMMENTS: Total HAPS: 3.193 lbs./gal.

10. STABILITY AND REACTIVITY

STABILITY: Avoid heat, sparks, flame and contact with strong oxidizing agents.

POLYMERIZATION: Product will not undergo polymerization.

CONDITIONS TO AVOID: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and unidentified organic compounds may be formed during combustion.

INCOMPATIBLE MATERIALS: This product is incompatible with strong acids or bases, oxidizers, alkali metals, and halogens.

11. TOXICOLOGICAL INFORMATION

ACUTE
### CARCINOGENICITY

**Notes:** This product may contain benzene (CAS No. 71-43-2) at a concentration less than 10 ppm.

### REPRODUCTIVE EFFECTS:
Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans. Methanol has caused birth defects in laboratory animals, but only when inhaled at extremely high vapor concentrations. The relevance of this finding to humans is uncertain. This product contains ethanol. Alcoholic beverage consumption has been associated with birth defects in humans. The relevance of this finding to ethanol exposure in industrial environments is uncertain.

### MUTAGENICITY:
Toluene is not known to be mutagenic or carcinogenic. However, the available human and experimental data are limited and insufficient to assess carcinogenic potential. Toluene is not listed as a carcinogen by NTP, IARC, or OSHA. Intentional abuse of toluene vapors has been linked to damage of brain, liver, kidney and to death. Many case studies involving abuse during pregnancy clearly indicate that toluene is a developmental toxicant. Developmental toxic effects comparable to those observed in humans have been seen in lab animals but the effects were generally associated with maternal toxicity.

### COMMENTS:
Poison. May be fatal or cause blindness, if swallowed. Cannot be made nonpoisonous.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Do not flush to sewer.

**ECOTOXICOLOGICAL INFORMATION:** Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

**EMPTY CONTAINER:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue 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.

**RCRA/EPA WASTE INFORMATION:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**
PROPER SHIPPING NAME: Flammable Liquids, N.O.S.
TECHNICAL NAME: (Toluene, Acetone)
PRIMARY HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN 1993
PACKING GROUP: II
NAERG: 128
LABEL: Flammable liquid

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

\[\text{Flammable Liquid}\]

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

FIRE: Yes PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

313 REPORTABLE INGREDIENTS: Methanol 67-56-1, Toluene 108-88-3, Ethylbenzene 100-41-4

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Component RQ (lbs)
- Acetone 5000
- Methyl Alcohol 5000
- Toluene 1000
- Ethylbenzene 1000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the State of California to cause cancer.: Toluene, Benzene.

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the State of California to cause reproductive harm.: Toluene, Benzene.

OSHA HAZARD COMM. RULE: This product is considered hazardous by OSHA.

16. OTHER INFORMATION
PREPARED BY: COMPLIANCE DEPT.

REVISION SUMMARY: New MSDS

HMIS RATING

- HEALTH: 2
- FLAMMABILITY: 3
- PHYSICAL HAZARD: 0
- PERSONAL PROTECTION: H

MANUFACTURER DISCLAIMER: The information contained herein is based on the data available to us and is believed to be accurate. However, Tarr Acquisition, LLC (Tarr, LLC) makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Tarr, LLC assumes no responsibility for injuries from the use of the product described herein.