MANUFACTURER:  
ADDRESS: 1435 Heil Ouaker Blvd., LaVergne, TN 37086

CHEMICAL NAME/SYNONYMS: Halogenated Hydrocarbons
CHEMICAL FAMILY: Aromatic Hydrocarbons
FORMULA: Mixture

SECTION II - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>CAS REGISTRY NO.</th>
<th>CHEMICAL NAMES (ST)</th>
<th>THRESHOLD LIMIT VALUES (UNITS)</th>
<th>OSHA PELMA ACGIH TLV (MA) SIEL (SKIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylene</td>
<td>100 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td>100 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td>71-55-6</td>
<td>1,1,1-trichloroethane</td>
<td>100 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>350 ppm</td>
<td>350 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>450 ppm</td>
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</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA

<table>
<thead>
<tr>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>VAPOR PRESSURE: 68°F</td>
<td>% VOLATILE BY VOLUME: 100%</td>
<td>SOLUBILITY IN WATER: negligible</td>
</tr>
<tr>
<td>135 mmHg</td>
<td>EVAPORATION RATE ( =1): N.E.</td>
<td>IS MATERIAL: X LIQUID SOLID GAS PASTE POWDER</td>
</tr>
</tbody>
</table>

ATMOSPHERIC PERSISTER: No

Appearance and Odor: Clear, colorless liquid with ether-like odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

NO FLASH  METHOD USED: None Established
FLAMMABLE LIMITS: Lower Upper

EXTINGUISHING MEDIA: Use water, fog, foam, dry chemical or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus for possible exposure to hydrogen chloride and possible traces of phosgene.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition or burning can produce hydrogen chloride or possibly traces of phosgene.

SECTION V - HEALTH HAZARD DATA

INHALATION: Irritation of the respiratory tract, dizziness, nausea, light headedness, headache. Loss of coordination & equilibrium, unconsciousness, possible central nervous system damage & death in poorly ventilated areas. EYE/SKIN: Irritating to eyes, prolonged & repeated contact may lead to skin irritations. INGESTION: Liquid ingestion may result in irritation of the mouth & GI tract with other effects listed for inhalation. Vomiting and subsequent aspiration into lungs may lead to chemical pneumonitis and pulmonary edema.

PRIMARY ROUTES OF ENTRY: INHALATION | SKIN CONTACT | OTHER (specify)

CHEMICAL LISTED AS CARCINOGEN | NATIONAL TOXICOLOGY PROGRAM | IARC | YES | OSHA | YES |
OR POTENTIAL CARCINOGEN | MONOGRAPHS | NO | NO | NO | NO |

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. EYE/SKIN: Flush eyes with plenty of water for at least 15 minutes. Wash skin with soap and water while removing contaminated clothing and shoes. If irritation occurs, consult physician. INGESTION: DO NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of vomitus into lungs.
### SECTION VI - REACTIVITY DATA

**STABILITY**: Stable

**CONDITIONS TO AVOID**: Open flames, hot glowing surfaces, or electric arc.

**INCOMPATIBILITY (MATERIALS TO AVOID)**: Caustic potash, caustic soda, or oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS**: Hydrogen chloride, possible traces of phosgene, carbon monoxide and unidentified compounds.

**HAZARDOUS POLYMERIZATION**: May occur

**CONDITIONS TO AVOID**: Conditions under which polymerization may occur

**WILL NOT OCCUR**: NONE

### SECTION VII - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**: Personnel with proper protective equipment should contain spill. Use inert absorbent material to soak up spill. Place in tightly sealing containers properly labeled for disposal.

### WASTE DISPOSAL METHOD

Disposal is to be in accordance with Federal, State, and Local regulations and at an approved waste management facility.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION**: Self-contained breathing apparatus to prevent overexposure.

**VENTILATION**

<table>
<thead>
<tr>
<th>LOCAL EXHAUST</th>
<th>MECHANICAL (GENERAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>As required to maintain vapor</td>
</tr>
</tbody>
</table>

**SPECIAL**

OTHER

**PROTECTIVE GLOVES**: Neoprene or rubber

**EYE PROTECTION**: Splash-proof goggles

**OTHER PROTECTIVE EQUIPMENT**: Clothing to prevent prolonged or repeated skin contact.

Safety shower, eye wash fountain.

### SECTION IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORING**: Store away from oxidizing agents in a cool, dry place with adequate ventilation.

**OTHER PRECAUTIONS**: Wash thoroughly after handling. Launder contaminated clothing before reuse.

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PREPARED BY:

APPROVED BY:

Revision DATE: 1/2/86