Section 1 - Company & Product Identification

Product Name: Lacquer Thinner   Product Code: 7891-B
Trade Name: Thinner

Manufactured by:
Spectrum Coatings Laboratories, Inc.
217 Chapman Street
Providence, RI 02905
ph: 401-781-4847
fax: 401-781-1075
web: spectrumcoatings.us
email: paintman97@gmail.com

Emergency Contact Information:
Daytime Information: 8:00am - 4:30pm EST
401-781-4847

24 Hour Emergency Contact:
Chemtrec - 800-424-9300
International: +1 703-527-3887
Emergency Information Only

Product Use: Professional Industrial and Commercial Spray Painting
Not recommended for: Commodity General Public Use

Section 2 - Hazards Identification

GHS Ratings:

| Flammable liquid | 2 | Flash point < 23°C and initial boiling point > 35°C (95°F) |
| Dermal Toxicity | Acute Tox. 4 | Dermal>1000+<=2000mg/kg |
| Skin corrosive | 2 | Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation |
| Eye corrosive | 1 | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Mutagen | 1B | Known to produce heritable mutations in human germ cells, Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity |
| Carcinogen | 1B | Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity |
| Reproductive toxin | 2 | Human or animal evidence possibly with other information |
| Aspiration hazard | 1 | Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity < 20.5 mm2/s at 40°C |

GHS Hazards

H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H312 Harmful in contact with skin
H315 Causes skin irritation
H318 Causes serious eye damage
H340 May cause genetic defects
H350 May cause cancer
H361 Suspected of damaging fertility or the unborn child

GHS Precautions
Section 3  - Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic Petroleum Distillate</td>
<td>64742-89-8</td>
<td>30.00% - 40.00%</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>Toluol</td>
<td>108-88-3</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Propylene Glycol Monomethyl Ether Acetate</td>
<td>108-65-6</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>123-86-4</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Normal Butyl Alcohol</td>
<td>71-36-3</td>
<td>5.00% - 10.00%</td>
</tr>
</tbody>
</table>
Section 2 - First aid measures

4.1. Description of first aid measures
First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen. IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing. IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention. IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries:
Symptoms/injuries after inhalation:
Symptoms/injuries after skin contact:
Symptoms/injuries after eye contact:
Symptoms/injuries after ingestion:
Chronic symptoms:

Section 5 - Firefighting measures

Flash Point: -10 C (14 F)
LEL: 1.00 UEL: 11.00

5.1. Extinguishing media
Suitable extinguishing media: Carbon dioxide, Carbon Dioxide, Foam

5.2. Special hazards arising from the substance or mixture
Fire hazard:
Explosion hazard:
Reactivity:

5.3. Advice for firefighters
Firefighting instructions:
Protection during firefighting:

Section 6 - Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Evacuate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). Ventilate area. Keep upwind.

6.1.1. For non-emergency personnel
Protective equipment: Wear Protective equipment as described in Section 8.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.
6.2. Environmental precautions
Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
For containment:
Methods for cleaning up:

Section 7 - Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling:

7.2. Conditions for safe storage, including any incompatibilities
Storage Conditions:
Storage Temperature:

Section 8 - Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic Petroleum Distillate 64742-89-8</td>
<td>OELs not established</td>
<td>OELs not established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Ethyl Acetate 141-78-6</td>
<td>PEL 400ppm - TWA VPEL 400ppm - TWA</td>
<td>TLV 400ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>Toluol 108-88-3</td>
<td>PEL 200ppm - TWA PEL 300ppm - Ceiling VPEL 100ppm - TWA VPEL 150ppm - STEL</td>
<td>TLV 20ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>Propylene Glycol Monomethyl Ether Acetate 108-65-6</td>
<td>OELs not established</td>
<td>OELs not established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Butyl Acetate 123-86-4</td>
<td>PEL 150ppm - TWA VPEL 150ppm - TWA VPEL 200ppm - STEL</td>
<td>TLV 150ppm - TWA TLV 200ppm - STEL</td>
<td>Not Established</td>
</tr>
<tr>
<td>Normal Butyl Alcohol 71-36-3</td>
<td>PEL 100 ppm - TWA VPEL 50 ppm - Ceiling</td>
<td>TLV 20 ppm - TWA</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
**Appropriate engineering controls:** Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

**Hand Protection:** Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

**Eye Protection:** Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

**Skin and body protection:** Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

**Respiratory Protection:** Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.
Section 9 - Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid either</td>
</tr>
<tr>
<td></td>
<td>colored or clear</td>
</tr>
<tr>
<td></td>
<td>depending on product</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>% Volume Volatile</td>
<td>100.00</td>
</tr>
<tr>
<td>Formula Lb / Gal</td>
<td>6.95</td>
</tr>
<tr>
<td>gms VOC/Liter Less Water</td>
<td>833</td>
</tr>
<tr>
<td>Odor</td>
<td>NA</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>75 to 150 °C</td>
</tr>
<tr>
<td>Specific Gravity (SG)</td>
<td>0.833</td>
</tr>
<tr>
<td>Lbs VOC/Gallon Less Water</td>
<td>6.95</td>
</tr>
</tbody>
</table>

Section 10 - Stability and reactivity

10.1 Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

STABLE

Strong oxidizing agents
Strong oxidizing agents, acids, and alkali/base/caustic solutions, and heat.
Alkali metals, aluminum, Halogens, lead, strong mineral acids, strong oxidizing agents.
Mineral acids and strong oxidizers

Oxides of carbon, such as carbon dioxide & carbon monoxide.
Hazardous polymerization will not occur.

Section 11 - Toxicological information

Mixture Toxicity
Oral Toxicity LD50: 2,166mg/kg
Dermal Toxicity LD50: 61mg/kg
Inhalation Toxicity LC50: 79mg/L

Component Toxicity
64742-89-8 Aliphatic Petroleum Distillate
Oral LD50: 5,000 mg/kg (Mouse) Dermal LD50: 3,000 mg/kg (Rabbit)
141-78-6 Ethyl Acetate
Dermal LD50: 20 mL/kg (Rabbit) Inhalation LC50: 1,500 ppm (Mouse)
108-88-3 Toluol
Oral LD50: 636 mg/kg (Rat)
108-65-6 Propylene Glycol Monomethyl Ether Acetate
Dermal LD50: 5 g/kg (Rabbit)
123-86-4 Butyl Acetate
Inhalation LC50: 390 ppm (Rat)
Normal Butyl Alcohol
Oral LD50: 790 mg/kg (Rat) Dermal LD50: 3,400 mg/kg (Rabbit)

Acute toxicity:
Skin corrosion/irritation:
Serious eye damage/irritation:
Respiratory or skin sensitisation:
Germ cell mutagenicity:
Carcinogenicity:
Reproductive toxicity:
Specific target organ toxicity (single exposure):
Specific target organ toxicity (repeated exposure):
Aspiration hazard:
Symptoms/injuries:
Symptoms/injuries after inhalation:
Symptoms/injuries after skin contact:
Symptoms/injuries after eye contact:
Symptoms/injuries after ingestion:
Chronic symptoms:

Inhalation Skin Contact Eye Contact Ingestion
Blood Kidneys Liver Lungs Central Nervous System Skin

Effects of Overexposure
Eye Contact Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.
Skin Contact May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.
Ingestion Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.
Inhalation Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Symptoms of Exposure
Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation, stomach or intestinal upset, irritation of the nose, throat & airways, central nervous system depression, high blood sugar, coma.

Target Organ Effects No Data Overexposure to this material has been suggested as a cause of the following effects in laboratory animals; blood abnormalities. This material shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities.

Cancer Information Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is NOT listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Developmental Info. This material (or a component) may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of this product during pregnancy can cause birth defects in humans.
Section 12 - Ecological information

No data available

Component Ecotoxicity

Section 13 - Disposal considerations

Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.
Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Section 14 - Transport information

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Paint Related Material</td>
<td>UN 1263</td>
<td>II</td>
<td>3</td>
</tr>
</tbody>
</table>

Section 15 - Regulatory information

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
   108-88-3  Toluene  10 to 20 %

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:
   Normal Butyl Alcohol  5 to 10 %
   Butyl Acetate  5 to 10 %
   Toluene  10 to 20 %
   Ethyl Acetate  20 to 30 %

New Jersey Worker and Community Right To Know Hazardous Substance List: The following substances appear on the New Jersey Right To Know Hazardous Substance List:
   Normal Butyl Alcohol  5 to 10 %
   Butyl Acetate  5 to 10 %
   Toluene  10 to 20 %
   Ethyl Acetate  20 to 30 %

Commonwealth of Pennsylvania Worker and Community Right-To-Know Act: This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:
   71-36-3
   123-86-4
   108-88-3
   141-78-6

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>Risk Phrases</td>
<td></td>
</tr>
</tbody>
</table>

Safety Phrase
Section 16 - Other information

Author: BCS

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

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