Section 1 - Company & Product Identification

Product Name: Lacquer Thinner  Product Code: TT-T-266

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:

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquid</td>
<td>2</td>
<td>Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
</tr>
<tr>
<td>Oral Toxicity</td>
<td>Acute Tox. 4</td>
<td>Oral&gt;300+&lt;=2000mg/kg</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>2</td>
<td>Reversible adverse effects in dermal tissue, Draize score:</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>1</td>
<td>Serious eye damage: Irreversible damage 21 days after exposure, Draize score:</td>
</tr>
<tr>
<td>Reproductive toxin</td>
<td>2</td>
<td>Human or animal evidence possibly with other information</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>1</td>
<td>Aspiration Toxicity Category 1: Known (regarded)- human</td>
</tr>
<tr>
<td></td>
<td></td>
<td>evidence - hydrocarbons with kinematic viscosity ? 20.5 mm2/s at 40° C.</td>
</tr>
</tbody>
</table>

GHS Hazards

H225  Highly flammable liquid and vapour
H302  Harmful if swallowed
H304  May be fatal if swallowed and enters airways
H315  Causes skin irritation
H318  Causes serious eye damage
H361  Suspected of damaging fertility or the unborn child

GHS Precautions

P201  Obtain special instructions before use
P202  Do not handle until all safety precautions have been read and understood
P210  Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233  Keep container tightly closed
P240  Ground/bond container and receiving equipment
P241  Use explosion-proof electrical/ventilating/lighting/all motorized electrical equipment being used in the area where this material is being handled
P242  Use only non-sparking tools
P243  Take precautionary measures against static discharge
P264  Wash all exposed areas thoroughly after handling
P270  Do not eat, drink or smoke when using this product
Signal Word: Danger

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>Toluol</td>
<td>108-88-3</td>
<td>40.00% - 50.00%</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>123-86-4</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>4-Methyl, 2-Pentanone</td>
<td>108-10-1</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Normal Butyl Alcohol</td>
<td>71-36-3</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</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: 7 C (45 F)
LEL: 1.00 UEL: 12.00

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>Toluol 108-88-3</td>
<td>PEL 200ppm - TWA</td>
<td>TLV 20ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>PEL 300ppm - Ceiling</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPEL 100ppm - TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPEL 150ppm - STEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Butyl Acetate 123-86-4</td>
<td>PEL 150ppm - TWA</td>
<td>TLV 150ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>VPEL 100ppm - TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPEL 200ppm - STEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-Methyl, 2-Pentanone 108-10-1</td>
<td>PEL 100ppm - TWA</td>
<td>TLV 20ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>VPEL 50ppm - TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPEL 75ppm - STEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Normal Butyl Alcohol 71-36-3</td>
<td>PEL 100 ppm - TWA</td>
<td>TLV 20 ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>VPEL 50 ppm - Ceiling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td>PEL 400ppm - TWA</td>
<td>TLV 200ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>VPEL 400ppm - TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPEL 500ppm - STEL</td>
<td></td>
<td></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

| Appearance | Viscous liquid either colored or clear depending on product |
| Physical State | Liquid |
| % Volume Volatile | 100.00 |
| Formula Lb / Gal | 7.10 |
| gms VOC/Liter Less Water | 850 |

| Odor | NA |

| Boiling Range | 80 to 129 °C |
| Specific Gravity (SG) | 0.850 |
| Lbs VOC/Gallon Less Water | 7.10 |
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

Alkali metals, aluminum, Halogens, lead, strong mineral acids, strong oxidizing agents.
Strong oxidizing agents, acids, and alkali/base/caustic solutions, and heat.
Mineral acids and strong oxidizers
Avoid contact with; acetaldehyde, acids, chlorine, ethylene oxide, isocyanates, strong oxidizing agents, Do not use with aluminum equipment at temperatures above 120 F.

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

Section 11 - Toxicological information

Mixture Toxicity
Oral Toxicity LD50: 996mg/kg
Dermal Toxicity LD50: 4,199mg/kg
Inhalation Toxicity LC50: 23mg/L

Component Toxicity

108-88-3  Toluol
Oral LD50: 636 mg/kg (Rat)

123-86-4  Butyl Acetate
Dermal LD50: 1,400 mg/kg (Rabbit)

108-10-1  4-Methyl, 2-Pentanone
Oral LD50: 2,080 mg/kg (Rat)  Inhalation LC50: 16 mg/L (Rat)

71-36-3  Normal Butyl Alcohol
Oral LD50: 790 mg/kg (Rat)  Inhalation LC50: 18 mg/L (Rat)

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 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. No Data

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.

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>% Weight</th>
<th>Carcinogen Rating</th>
</tr>
</thead>
</table>

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
Section 15 - Regulatory information

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
- 108-10-1 4-Methyl, 2-Pentanone 10 to 20 %
- 108-88-3 Toluene 40 to 50 %

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:
- Isopropyl Alcohol 5 to 10 % Hazardous
- Normal Butyl Alcohol 10 to 20 %
- 4-Methyl, 2-Pentanone 10 to 20 %
- Butyl Acetate 20 to 30 %
- Toluene 40 to 50 %

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.
- Isopropyl Alcohol 5 to 10 %
- Normal Butyl Alcohol 10 to 20 %
- 4-Methyl, 2-Pentanone 10 to 20 %
- Butyl Acetate 20 to 30 %
- Toluene 40 to 50 %

Commonwealth of Pennsylvania Worker and Community Right-To-Know Act: This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:
- 67-63-0
- 71-36-3
- 108-10-1
- 123-86-4
- 108-88-3

Country | Regulation | All Components Listed
---|---|---

EU Risk Phrases

Safety Phrase
All components of this product are listed on the TSCA Inventory or are exempt.
- None

Section 16 - Other information

Author: BCS

Hazardous Material Information System (HMIS) | National Fire Protection Association (NFPA)
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Reviewer Revision

Date Prepared: 6/18/2015