Section 1 - Company & Product Identification

Product Name: Low VOC Lacquer Thinner    Product Code: EX-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)
- Skin corrosive 2 Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
- Eye corrosive 2A Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards
- H225 Highly flammable liquid and vapour
- H315 Causes skin irritation
- H319 Causes serious eye irritation

GHS Precautions
- 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
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P312 Specific treatment (see Section 4 and 11 of SDS)
- P362 Take off contaminated clothing and wash before reuse
- P302+P352 IF ON SKIN: Wash with soap and water
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P332+P313 If skin irritation occurs: Get medical advice/attention
- P337+P313 Get medical advice/attention
- P370+P378 In case of fire: Use CO2, Foam, or Chemical Extinguisher for extinction
- P403+P235 Store in a well ventilated place. Keep cool
**Signal Word:** Danger

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### 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>Acetone</td>
<td>67-64-1</td>
<td>60.00% - 70.00%</td>
</tr>
<tr>
<td>1-chloro-4-(trifluoromethyl)-benzene</td>
<td>98-56-6</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>Ethyl 3-Ethoxypropionate</td>
<td>763-69-9</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>2-Heptanone</td>
<td>110-43-0</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>123-86-4</td>
<td>1.00% - 5.00%</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:** -20 C (-4 F)

**LEL:** 1.00  
**UEL:** 13.00

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, Carbon Dioxide, Foam
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>Acetone 67-64-1</td>
<td>PEL 1000 ppm - TWA</td>
<td>TLV 500 ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td></td>
<td>VPEL 750 ppm - TWA</td>
<td>TLV 750 ppm - STEL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VPEL 1000 ppm - STEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-chloro-4-(trifluoromethyl)-benzene 98-56-6</td>
<td>OELs not established</td>
<td>OELs not established</td>
<td>CEL 25ppm - TWA</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.

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**Section 9 - Physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Viscous liquid either colored or clear depending on product</td>
</tr>
<tr>
<td><strong>Physical State</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td>% Volume Volatile</td>
<td>100.00</td>
</tr>
<tr>
<td><strong>Boiling Range</strong></td>
<td>55 to 167 °C</td>
</tr>
<tr>
<td><strong>Specific Gravity (SG)</strong></td>
<td>0.900</td>
</tr>
<tr>
<td><strong>Lbs VOC/Gallon Less Water</strong></td>
<td>1.33</td>
</tr>
<tr>
<td><strong>Formula Lb / Gal</strong></td>
<td>7.51</td>
</tr>
<tr>
<td><strong>gms VOC/Liter Less Water</strong></td>
<td>159</td>
</tr>
</tbody>
</table>

**Odor** NA

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**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, acids, and alkali/base/caustic solutions, and heat.
- Strong oxidizing agents
- Acids, strong oxidizing agents.
Oxides of carbon, such as carbon dioxide & carbon monoxide. May produce Chlorine and/or Fluorine containing gases. Hazardous polymerization will not occur.

### Section 11 - Toxicological information

#### Mixture Toxicity

- **Inhalation Toxicity**
  LC50: 2,356mg/L

#### Component Toxicity

- **98-56-6** 1-chloro-4-(trifluoromethyl)-benzene
  Dermal LD50: 2,700 mg/kg (Rabbit)

- **763-69-9** Ethyl 3-Ethoxypropionate
  Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 4,680 mg/kg (Rabbit) Inhalation LC50: 998 ppm (R)

- **123-86-4** Butyl Acetate
  Dermal LD50: 1,400 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:

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Skin Contact</th>
<th>Eye Contact</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>Kidneys</td>
<td>Liver</td>
<td>Central Nervous System</td>
</tr>
</tbody>
</table>

**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. 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. 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. 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: mild, reversible liver 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. 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. No Data 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.

Eye Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin 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.

<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

<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>1263</td>
<td>II</td>
<td>3</td>
</tr>
</tbody>
</table>

Section 15 - Regulatory information

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:
- 2-Heptanone  1 to 5 %
- Butyl Acetate  1 to 5 %
- Acetone  60 to 70 %

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.
- 2-Heptanone  1 to 5 %
- Butyl Acetate  1 to 5 %
- Acetone  60 to 70 %

Commonwealth of Pennsylvania Worker and Community Right-To-Know Act: This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:
- 110-43-0
- 123-86-4
- 67-64-1

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)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

HMIS & NFPA Hazard Rating

Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

Special

Flammability

Health

Instability

National Fire Protection Association (NFPA)

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