Section 1 - Company & Product Identification

Product Name: Semi-Gloss Alkyd Enamel       Product Code: 15090T1C2
Trade Name: MIL-E-15090 TY-1 CL-2

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 3 Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
- 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
- H316 Causes mild skin irritation
- H340 May cause genetic defects
- H350 May cause cancer
- 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
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P331 Do NOT induce vomiting
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention

**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

**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>Stoddard Solvent</td>
<td>8052-41-3</td>
<td>30.00% - 40.00%</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>N/A</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>Calcium Magnesium Silicate Hydrate</td>
<td>14807-96-6</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Aliphatic Petroleum Distillate</td>
<td>64742-89-8</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Xylol</td>
<td>1330-20-7</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Toluol</td>
<td>108-88-3</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Non-Hazardous Coloring Pigment</td>
<td>Pigment</td>
<td>1.00% - 5.00%</td>
</tr>
</tbody>
</table>
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: 8.00

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:
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>Stoddard Solvent</td>
<td>VPEL 100ppm - TWA</td>
<td>TLV 100ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>8052-41-3</td>
<td>PEL - 500ppm - TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Magnesium Silicate Hydrate</td>
<td>PEL - 20 mppcf - TWA (if 1% Quartz or more, use Quartz limit)</td>
<td>TLV 2 mg/m3 - TWA (respirable fraction)</td>
<td>Not Established</td>
</tr>
<tr>
<td>14807-96-6</td>
<td>VPEL - 2 mg/m3 - TWA (respirable dust)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aliphatic Petroleum Distillate</td>
<td>OELs not established</td>
<td>OELs not established</td>
<td>Not Established</td>
</tr>
<tr>
<td>64742-89-8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylol</td>
<td>PEL 100ppm - TWA</td>
<td>TLV 100ppm - TWA</td>
<td>46ppm TWA</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>VPEL 100ppm - TWA</td>
<td>TLV 150ppm - STEL</td>
<td></td>
</tr>
<tr>
<td>Toluol</td>
<td>PEL 200ppm - TWA</td>
<td>TLV 20ppm - TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>108-88-3</td>
<td>PEL 300ppm - Ceiling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Hazardous Coloring Pigment</td>
<td>PEL 10mg/m3 - TWA (nuisance dust)</td>
<td>TLV 5mg/m3 - TWA (nuisance dust)</td>
<td>Not Established</td>
</tr>
<tr>
<td>Pigment</td>
<td>VPEL 150ppm - 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.

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Section 9 - Physical and chemical properties

- **Appearance** Viscous liquid either colored or clear depending on product
- **Odor** NA
- **Physical State** Liquid
- **Boiling Range** 95 to 160 °C
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

Non-reactive material.
Strong oxidizing agents
Mineral acids and strong oxidizers
Caustics, and strong oxidizers

Material will ash when exposed to extremely high temperatures and flame.
Oxides of carbon, such as carbon dioxide & carbon monoxide.
Hazardous polymerization will not occur.

Section 11 - Toxicological information

Mixture Toxicity

Inhalation Toxicity LC50: 1,293mg/L

Component Toxicity

64742-89-8    Aliphatic Petroleum Distillate
Oral LD50: 5,000 mg/kg (Mouse) Dermal LD50: 3,000 mg/kg (Rabbit)

1330-20-7     Xylol
Oral LD50: 3,523 mg/kg (Rat) Dermal LD50: 1,100 mg/kg (Judgement)

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

<table>
<thead>
<tr>
<th>Eye Contact</th>
<th>Skin Contact</th>
<th>Ingestion</th>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not a primary eye irritant, mechanical irritation only. Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.</td>
<td>Not a primary skin irritant, not absorbed through 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.</td>
<td>Unlikely to be toxic by 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.</td>
<td>Inhalation of high concentrations may cause mechanical irritation and discomfort. Repeated overexposure can cause chronic effects. These effects are only from talc dust itself as an airborne particle. 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.</td>
</tr>
</tbody>
</table>

### Symptoms of Exposure

Prolonged exposure to excessive airborne concentrations of talc can result in scarring of the lungs (pneumoconiosis) or of the covering of the lungs (pleural thickening). Pneumoconiosis may produce symptoms of cough or shortness of breath. Pleural thickening usually produces no symptoms. Conditions can be determined by chest radiographic examination and pulmonary function test (FEV & FVC). Bronchial irritation may cause sputum production. 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. Lead is a potent, systemic poison that serves no known useful function once absorbed into your body. Chronic overexposure to lead may result in severe damage to your blood forming, nervous, urinary, central nervous system, and reproductive organs. See OSHA Lead Standard, CFR 1910.1025.

### Target Organ Effects

No Data 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

Talc may contain trace amounts of quartz (crystalline silica). Overexposure to respirable crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. "Inhalable" crystalline silica is listed by IARC as a Group I carcinogen (lung) based on "sufficient evidence" in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a substance reasonably anticipated to be a carcinogen. Some human studies have not demonstrated a cancer association and considerable controversy exists.

This talc has been tested as a whole and in parts in several animal studies with no carcinogenic association demonstrated. Epidemiologic studies in humans have been interpreted in conflicting ways with no clear evidence of an increased risk in lung tumors in association with exposure. Human, animal and in-vitro tests of basic product ingredients do not show a carcinogenic effect. All talc is of the non-asbestos form.

Note: These effects and tests have only been as a result of the raw respirable dust, and not when incorporated as a component of another material. 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. Some isomers of Xylene may contain Ethylbenzene which has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. IARC has classified Ethylbenzene as a possible carcinogen.

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**

<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; Flammable Liquid</td>
<td>UN1263</td>
<td>II</td>
<td>2</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 1 to 5 %
Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:
- Toluene  1 to 5 %
- Xylene (mixed) 1 to 5 %
- Calcium Magnesium Silicate Hydrate  10 to 20 %
- Stoddard Solvent  30 to 40 %

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.
- Toluene  1 to 5 %
- Xylene (mixed) 1 to 5 %
- Calcium Magnesium Silicate Hydrate  10 to 20 %
- Stoddard Solvent  30 to 40 %

Commonwealth of Pennsylvania Worker and Community Right-To-Know Act: This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:
- 108-88-3
- 1330-20-7
- 14807-96-6
- 8052-41-3

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
</table>

**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

<table>
<thead>
<tr>
<th>Hazardous Material Information System (HMIS)</th>
<th>National Fire Protection Association (NFPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HEALTH</strong></td>
<td><strong>Flammability</strong></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>FLAMMABILITY</strong></td>
<td><strong>Health</strong></td>
</tr>
<tr>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td><strong>PHYSICAL HAZARD</strong></td>
<td><strong>Instability</strong></td>
</tr>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td><strong>PERSONAL PROTECTION</strong></td>
<td><strong>Special</strong></td>
</tr>
<tr>
<td>J</td>
<td></td>
</tr>
</tbody>
</table>

**HMIS & NFPA Hazard Rating Legend**
- * = Chronic Health Hazard
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH

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Date Prepared: 6/8/2015

Reviewer Revision