

Safety Data Sheet

Prepared according to Federal Register / vol. 77, No. 58/ Monday, March 26, 2012 / Rules and Regulations

Section 1 - Company & Product Identification

Product Name: Epoxy & Urethane Thinner Product Code: #52

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
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm ² /s at 40° C.

GHS Hazards

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H351	Suspected of causing cancer

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
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see Section 4 and 11 of SDS)
P331	Do NOT induce vomiting

P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
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
P308+P313	IF exposed or concerned: Get medical advice/attention
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
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container to suitable waste stream in accordance with local, regional, national, and international regulations.

Signal Word: Danger



Section 3 - Composition/information on ingredients

Chemical Name	CAS number	Weight Concentration %
4-Methyl, 2-Pentanone	108-10-1	50.00% - 60.00%
Xylol	1330-20-7	40.00% - 50.00%
Ethylbenzene	100-41-4	1.00% - 5.00%

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: 16 C (61 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:

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions:

Storage Temperature:

Section 8 - Exposure controls/personal protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
4-Methyl, 2-Pentanone 108-10-1	PEL 100ppm - TWA VPEL 50ppm - TWA VPEL 75ppm - STEL	TLV 20ppm - TWA TLV 75ppm - STEL	Not Established
Xylol 1330-20-7	PEL 100ppm - TWA VPEL 100ppm - TWA VPEL 150ppm - STEL	TLV 100ppm - TWA TLV 150ppm - STEL	46ppm TWA
Ethylbenzene 100-41-4	PELs - 100 ppm TWA PELs- 435 mg/m3 TWA	TLV - 20 ppm TWA	Not Established

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

<p>Appearance Viscous liquid either colored or clear depending on product</p> <p>Physical State Liquid</p> <p>% Volume Volatile 100.00</p> <p>Formula Lb / Gal 6.94</p> <p>gms VOC/Liter Less Water 832</p>	<p>Odor NA</p> <p>Boiling Range 114 to 140 °C</p> <p>Specific Gravity (SG) 0.832</p> <p>Lbs VOC/Gallon Less Water 6.94</p>
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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

Alkali metals, aluminum, Halogens, lead, strong mineral acids, strong oxidizing agents.

Oxides of carbon, such as carbon dioxide & carbon monoxide.

Hazardous polymerization will not occur.

Section 11 - Toxicological information

Mixture Toxicity

Oral Toxicity LD50: 2,567mg/kg

Dermal Toxicity LD50: 2,404mg/kg

Inhalation Toxicity LC50: 28mg/L

Component Toxicity

- 108-10-1 4-Methyl, 2-Pentanone
Oral LD50: 2,080 mg/kg (Rat) Inhalation LC50: 16 mg/L (Rat)
- 1330-20-7 Xylol
Oral LD50: 3,523 mg/kg (Rat) Dermal LD50: 1,100 mg/kg (Judgement)
- 100-41-4 Ethylbenzene
Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 17 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
Kidneys	Liver	Central Nervous System	

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. Symtoms 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.
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.
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. 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.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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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

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint Related Material; Flammable Liquid	1263	II	3

Section 15 - Regulatory information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

100-41-4 Ethylbenzene 1 to 5 % Carcinogen
 108-10-1 4-Methyl, 2-Pentanone 50 to 60 %

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

Ethylbenzene 1 to 5 %
 Xylene (mixed) 40 to 50 %
 4-Methyl, 2-Pentanone 50 to 60 %

