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: 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 cellsSubcategory 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

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
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see Section 4 and 11 of SDS)
P322	Specific measures (see … on this label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing 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
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 %
Aliphatice Petroleum Distillate	64742-89-8	30.00% - 40.00%
Ethyl Acetate	141-78-6	20.00% - 30.00%
Toluol	108-88-3	10.00% - 20.00%
Propylene Glycol Monomethyl Ether Acetate	108-65-6	5.00% - 10.00%
Butyl Acetate	123-86-4	5.00% - 10.00%
Normal Butyl Alcohol	71-36-3	5.00% - 10.00%

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: -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 incompatiblities
Storage Conditions:
Storage Temperature:

Section 8 - Exposure controls/personal protection

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

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

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	Aliphatice 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)

71-36-3 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. 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	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.

CAS Number	Description	% Weight	Carcinogen Rating

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

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Paint Related Material	UN 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:

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

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

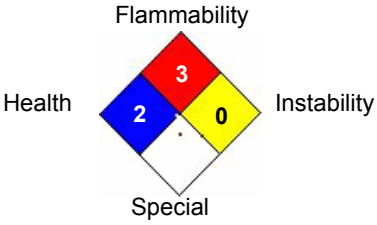
Author: BCS

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	J

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

National Fire Protection Association (NFPA)



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Reviewer Revision

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