

SAFETY DATA SHEET



Date Issued : 3/13/2014
SDS No : 129163

Lacquer Thinner, Medium Grade #48

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Lacquer Thinner, Medium Grade #48
GENERAL USE: Solvent
PRODUCT CODE: 129163

MANUFACTURER

Fiberglass Coatings Inc.
4301A 34th Street North
St. Petersburg, FL 33714
Customer Service: (800) 272-7890
E-Mail: www.fgci.com
Emergency Contact: Chem-Tel
Emergency Phone: (800) 255-3924

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Irritation, Category 2
Skin Irritation, Category 2
Aspiration Hazard, Category 1
Target Organ Toxicity (Single exposure), Category 3
Target Organ Toxicity (Repeated exposure), Category 2
Reproductive Toxicity, Category 2

Environmental:

Aquatic Toxicity, Category 2

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Exclamation
mark



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapor.
H319: Causes serious eye irritation.

H315: Causes skin irritation.

H304: May be fatal if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H373: May cause damage to organs through prolonged or repeated exposure.

H361: Suspected of damaging fertility or the unborn child.

H401: Toxic to aquatic life.

PRECAUTIONARY STATEMENT(S)

Prevention:

P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe fumes.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

P210: Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.

P233: Keep container tightly closed.

P242: Use only non-sparking tools.

P264: Wash skin thoroughly after handling.

P273: Avoid release to the environment.

Response:

P312: Call a POISON CENTER or physician if you feel unwell.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P332+P313: If skin irritation occurs: Get medical attention.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or physician.

P331: Do NOT induce vomiting.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of container and its contents in accordance with all Federal, State, and local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Water white liquid.

IMMEDIATE CONCERNS: Extremely Flammable Liquid and vapor. Vapor may cause flash fire. May affect the central nervous system causing dizziness, Headache, or nausea. May cause eye irritation. May cause skin and respiratory tract irritation. Prolonged or repeated contact may dry skin and cause dermatitis and burns.

POTENTIAL HEALTH EFFECTS

EYES: Can cause eye irritation. Symptoms include: stinging, tearing, redness, and swelling of the eyes.

SKIN: Can cause skin irritation. Prolonged or repeated contact may cause sensitization. Symptoms include redness, burning, and drying and cracking of skin, burns and other skin damage.

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 this material may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Toluene may be harmful to the human fetus based on positive test results with laboratory animals.

Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, upper respiratory tract, lung (for example, asthma-like conditions), liver, kidney, CNS, blood-forming system, male reproductive system, auditory system. Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

ROUTES OF ENTRY: Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

TARGET ORGAN STATEMENT: May cause damage to the following organs: kidneys, lungs, liver, mucous membranes, hear, upper respiratory tract, skin, auditory system, central nervous system (CNS), eye, lens or cornea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Toluene	> 40 - 50	108-88-3
Acetone	> 15 - 20	67-64-1
Methyl Ethyl Ketone	>= 10 - 15	78-93-3
Isopropanol	>= 10 - 15	67-63-0
Ethylene glycol monobutyl ether	>= 5 - 10	111-76-2

COMMENTS: The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

EYES: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

SKIN: Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

INGESTION: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

INHALATION: If signs and symptoms develop, remove person to fresh air. If signs or symptoms persist, obtain medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Category 2 Flammable Liquid

GENERAL HAZARD: Flammable. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

EXTINGUISHING MEDIA: Use dry chemical, CO₂, water spray/fog (not jet), or foam

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide and carbon monoxide, Hydrocarbons, Aldehydes, Ketones, Organic acids

FIRE FIGHTING PROCEDURES: Flammable. Vapors are heavier than air and may travel across the ground and reach remote ignition sources. Clear fire area of all non-emergency personnel. Do not enter confined fire space without full bunker gear and SCBA. Containers exposed to intense heat from fires should be cooled with large quantities of water to prevent weakening of container structure which could result in container rupture.

FIRE FIGHTING EQUIPMENT: Full Bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in approved container for disposal according to local, state and Federal regulations.

LARGE SPILL: Follow procedure for small spills. Dike ahead of spill to contain material. Notify proper authorities if the spill cannot be contained. Follow local, state, and federal regulations for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow spill to enter drains, sewers or waterways.

GENERAL PROCEDURES: Evacuate area of unprotected personnel. Eliminate potential sources of ignition (no smoking, flares, sparks or flames in immediate area). Stay upwind and keep out of low areas. Handling equipment must be bonded and grounded to prevent sparking.

7. HANDLING AND STORAGE

HANDLING: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

STORAGE: Store in a cool, dry, well-ventilated area, away from incompatible materials. Keep container closed when not being used.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Toluene	TWA	200 (8 hours)	375 (8 hours)	20	75
	STEL	150 ^[1]	560 ^[1]		
Acetone	TWA	1000	2400	500	
	STEL			750	
Methyl Ethyl Ketone	TWA	200	590	200	590
	STEL	300		300	885
Isopropanol	TWA	400	980	200	
	STEL	500	1225	400	
Ethylene glycol monobutyl ether	TWA	50	240	20	97
Footnotes:					
1. Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift :500 ppm					

ENGINEERING CONTROLS: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and/or face shield. Always use proper eye protection around the work area.

SKIN: Avoid skin contact, use impervious latex, rubber, vinyl, or nitrile gloves

RESPIRATORY: Vapor respirator may be required if exposure limits are exceeded. Use a NIOSH approved respirator or equivalent when required. Proper mechanical ventilation should be installed to ensure the exposure levels are below the allowable thresholds (PEL/TLV).

PROTECTIVE CLOTHING: Long sleeve shirts and trousers without cuffs. Impervious clothing.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.

ODOR: Solvent Odor.

ODOR THRESHOLD: No data available.

APPEARANCE: Clear Water- White Liquid

pH: No data available.

PERCENT VOLATILE: No data available.

FLASH POINT AND METHOD: -20°C (-4°F) Tag closed cup

FLAMMABLE LIMITS: 1.1% to 12.8%

Notes: Calculated Explosive limit

AUTOIGNITION TEMPERATURE: No data available.

VAPOR PRESSURE: 307.9 hPa at 25°C (77°F)

Notes: Calculated

VAPOR DENSITY: No data available.

BOILING POINT: 56°C (133°F)

MELTING POINT: No data available.

SOLUBILITY IN WATER: Slightly soluble

EVAPORATION RATE: No data available.

DENSITY: No data available.

SPECIFIC GRAVITY: 0.82

VISCOSITY: No data available.

(VOC): 100.000 %

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: This product is stable under normal conditions of storage and use.

CONDITIONS TO AVOID: Heat, Open Flames, Electrical and Static electrical sparks, and any other possible source of ignition.

INCOMPATIBLE MATERIALS: Acids, aldehydes, alkali metals, aluminum, amines, ammonia, bases, copper, copper alloys, ethylene oxide, halogenated hydrocarbons, halogens, inorganic materials, isocyanates, lead, oxidizing agents, peroxides, sodium, strong reducing agents, zinc. Do not use aluminum equipment at temperatures above 120 F

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Toluene	> 5580 mg / kg (Rat)	12196 mg / kg (Rabbit)	12500 to 28800 mg/L (4h)
Acetone	5800 mg / kg (Rat)	7426 mg / kg (guinea pig)	50100 mg/m ³ (inhalation / rat) (8h)
Methyl Ethyl Ketone	2737 mg / kg (Rat)	6480 mg / kg (Rabbit)	320 ppm (4h)
Isopropanol	3600 mg / kg (Rat)	12800 mg / kg (dermal Rabbit)	16000 ppm (inhalation/rat) (8h)
Ethylene glycol monobutyl ether	1746 mg / kg (Rat)	> 2000 mg / kg	700 ppm (inhalation/rat) (4h)

EYE EFFECTS: Eye irritant

SKIN EFFECTS: Skin Irritant.

CARCINOGENICITY

Notes: Not considered carcinogenic by OSHA, NTP, or IARC.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems.

BIOACCUMULATION/ACCUMULATION: No data available.

AQUATIC TOXICITY (ACUTE): Values are for: Toluene (CAS# 108-88-3)

96-HOUR LC₅₀: 5-12 mg / L (Rainbow Trout)

48-HOUR EC₅₀: 6 mg/L (Daphnia Magna)

96-HOUR EC₅₀: 10 mg/L (Algae)

Notes: No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be in accordance with all Federal, State, and local regulations. Empty containers may still be considered dangerous due to residual vapors/liquid/dust.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Paint related material.

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1263

PACKING GROUP: II

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Paint related material.

UN NUMBER: 1263

HAZARD CLASS: 3

PACKING GROUP: II

AIR (ICAO/IATA)

SHIPPING NAME: Paint related material.

UN/NA NUMBER: 1263

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

VESSEL (IMO/IMDG)

SHIPPING NAME: Paint related material.

UN/NA NUMBER: 1263

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Fire Hazard, Immediate (acute) Health Hazard, Chronic (Delayed) Health Hazard.

FIRE: Yes **PRESSURE GENERATING:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Toluene: ~44.5%

Ethylene Glycol Monobutyl Ether: ~5.4%

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Listed.

THRESHOLD QUANTITY: 2223 lbs.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Toluene

CERCLA RQ: 1000 pounds

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All items are TSCA listed

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemicals known to the State of California to cause cancer and birth defects or other reproductive harm:

Benzene, Ethyl Benzene, Toluene.

OSHA HAZARD COMM. RULE: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

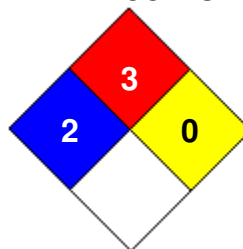
16. OTHER INFORMATION

PREPARED BY: Fiberglass Coatings, Inc. (GS)

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

NFPA CODES



HMIS RATINGS NOTES: The customer is responsible for determining the PPE code for this material.

MANUFACTURER DISCLAIMER: This information is compiled from sources believed reliable as of the date of issue, it is provided in good faith and correct to the best of our knowledge. No warranty, guarantee, or representation is made as to the sufficiency of the information for the safe use of the product nor to relieve the end user of their own Federal, State, and local regulatory compliance requirements.