

SAFETY DATA SHEET



Date Prepared : 03/26/2014
SDS No : 129213

T-12 Epoxy Solvent

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: T-12 Epoxy Solvent
GENERAL USE: Solvent for cleaning resins and thinning liquid plastics.
PRODUCT CODE: 129213

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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Inhalation), Category 5
Skin Irritation, Category 2
Acute Toxicity (Oral), Category 5
Acute Toxicity (Dermal), Category 5
Serious Eye Damage, Category 1
Target Organ Toxicity (Single exposure), Category 3

Environmental:

Acute Hazards to the Aquatic Environment, Category 2

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Environment



Exclamation
mark



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

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

H315: Causes skin irritation.

H305: May be harmful if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H401: Toxic to aquatic life.

H372: Causes damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H360: May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

PRECAUTIONARY STATEMENT(S)

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P241: Use explosion-proof [electrical/ventilating/lighting] equipment.

P242: Use non-sparking tools.

P240: Ground and bond container and receiving equipment.

P243: Take action to prevent static discharges.

P233: Keep container tightly closed.

P273: Avoid release to the environment.

0940P7NL: Wash skin thoroughly after use

Response:

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/attention.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331: Do NOT induce vomiting.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310: Immediately call a POISON CENTER/doctor.

P370 + P378: In case of fire, use dry sand, dry chemical or alcohol-resistant foam for extinction

Storage:

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

P235: Keep cool.

Disposal:

1048ZK1E: Dispose of product and container according to Federal, State and local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless Liquid.

IMMEDIATE CONCERNS: **Flammable Liquid and Vapor.** May cause skin, eye, and respiratory tract irritation. Vapors can cause headache, nausea or blurred vision.

POTENTIAL HEALTH EFFECTS

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

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

INGESTION: Swallowing can cause gastrointestinal irritation, nausea, diarrhea. Aspiration hazard. Aspiration can cause chemical pneumonitis, which can be fatal.

INHALATION: Aspiration may cause respiratory swelling and pneumonitis. Symptoms of inhaling vapors include: headache, dizziness, weakness, unconsciousness, and possible asphyxiation.

CARCINOGENICITY: This mixture is not listed as a carcinogen, however, some of the components may be suspected to cause cancer in humans.

MEDICAL CONDITIONS AGGRAVATED: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Central nervous system, Heart, Kidney, Liver, Skin, auditory system, lung (for example, asthma-like conditions), male reproductive system, respiratory tract.

ROUTES OF ENTRY: Inhalation, ingestion, skin and eye contact.

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
Acetone	< 45	67-64-1
Isopropyl Alcohol	< 10	67-63-0
Solvent (Trade Secret)	< 12	N/A
Xylene	> 30	1330-20-7

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

4. FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do so. Seek immediate medical attention.

SKIN: Immediately flush with plenty of soap and water. Remove and dispose of contaminated clothing. Seek medical attention.

INGESTION: Aspiration hazard. If swallowed, Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Category 2 Flammable Liquid

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

FIRE FIGHTING PROCEDURES: Evacuate any non-essential personnel. Extinguish all ignition sources if safe to do so. Use water to cool exposed containers and structures until fire is out. Avoid spreading burning material with water used for cooling purposes.

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: Extinguish all nearby ignition sources. Stop leak if it can be done safely. Prevent from entering waterways and sewers. Absorb with non-combustible material and transfer into appropriate disposal container using non-sparking tools.

LARGE SPILL: Use a shovel to put the material in to a convenient waste disposal container. Finish cleaning by spreading water on

the contaminated surface and allow to evacuate through the sanitary system.

7. HANDLING AND STORAGE

HANDLING: Avoid ignition sources (flame, spark, smoking, etc) in use or handling areas. Use explosion proof electrical equipment. Ensure proper electrical grounding procedures are in place. Provide sufficient ventilation. Always wear proper personal protection equipment when handling.

STORAGE: Store in a cool, dry, well-ventilated area, away from any sources of ignition and incompatible materials. Keep all equipment grounded to avoid static sparking. Keep container closed when not being used.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type	EXPOSURE LIMITS		
			ppm	mg/m ³
Acetone	OSHA PEL	TWA	1000	2400
	ACGIH TLV	TWA	500	
		STEL	750	
Isopropyl Alcohol	OSHA PEL	TWA	400	980
		STEL	500	1225
	ACGIH TLV	TWA	200	
		STEL	400	
Solvent (Trade Secret)	OSHA PEL	TWA	100	410
		STEL	75	300
	ACGIH TLV	TWA	20	82
		STEL	75	300
Xylene	OSHA PEL	TWA	100	435
	ACGIH TLV	TWA	100	434
		STEL	150	651

ENGINEERING CONTROLS: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (PEL/TLV). Any installed emergency eye wash station or safety showers should be located near the work area.

PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Wear impermeable gloves. Clothing should limit skin exposure. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product. Maintain eyewash and shower station near work area in case of exposure.

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).

WORK HYGIENIC PRACTICES: Never eat or drink in areas where the chemical is being used. Wash hands after handling to limit exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.

ODOR: Aromatic, characteristic solvent odor.

APPEARANCE: Clear to White Liquid

COLOR: Colorless

pH: Neutral

PERCENT VOLATILE: 100 %

FLASH POINT AND METHOD: -20°C (-4°F)

FLAMMABLE LIMITS: 1% to 12.6%

AUTOIGNITION TEMPERATURE: 432°C (810°F)

VAPOR PRESSURE: 24 mm Hg @ 20 C

VAPOR DENSITY: 2 (Air =1)

BOILING POINT: 56.1°C (133°F)

MELTING POINT: No data available.

SOLUBILITY IN WATER: Mostly Soluble

EVAPORATION RATE: > 2 (Butyl Acetate = 1)

SPECIFIC GRAVITY: 0.84 (Water = 1)

VISCOSITY: No data available.

(VOC): No data available.

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid contact with incompatible materials and ignition sources / heat.

INCOMPATIBLE MATERIALS: Avoid all unplanned contact with strong reactive chemicals, Acids, Bases, Aliphatic Amines, and Oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Acetone	5800 mg / kg (Rat)	7426 mg / kg (guinea pig)	50100 mg/m ³ (inhalation / rat) (8h)
Isopropyl Alcohol	3600 mg / kg (Rat)	1 2800 mg / kg (dermal Rabbit)	1 6000 ppm (inhalation/rat) (8h)
Solvent (Trade Secret)	2080 mg / kg (Rat)	> 1600 mg / kg (Rabbit)	8.2 to 16.4 mg/m ³ (4h)
Xylene	4300 mg / kg (Rat)	> 2000 mg / kg (dermal Rabbit)	1700 mg/L (4h)

CARCINOGENICITY

NOTES: Listed by IARC as possibly carcinogenic to humans (Group 2B), based on limited evidence of carcinogenicity in humans and experimental animals.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental studies have not been performed for this product.

ECOTOXICOLOGICAL INFORMATION: Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system. Avoid transfer to environment.

AQUATIC TOXICITY (ACUTE): Acute toxicity to fish. Toxicity to aquatic plants.

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

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:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

TITLE III NOTES: Components meeting the requirements are listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: 5000 pounds

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All items are TSCA listed

CALIFORNIA PROPOSITION 65: This material contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

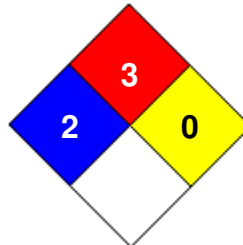
16. OTHER INFORMATION

PREPARED BY: BC **Date Prepared:** 03/26/2014

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.