SAFETY DATA SHEET

FGCI
FiberGlass Coatings, Inc.

Date Issued : 3/14/2014
SDS No : 129228

Xylene

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Xylene
GENERAL USE: Solvent
PRODUCT CODE: 129228

MANUFACTURER

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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

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

Environmental:

Aquatic Toxicity, Category 2

Physical:

Flammable Liquids, Category 3

GHS LABEL


Flame


Exclamation mark


Health hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H226: Flammable liquid and vapor.
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.

PRECAUTIONARY STATEMENT(S)

Prevention:

P271: Use only outdoors or in a well-ventilated area.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233: Keep container tightly closed.
P242: Use only non-sparking tools.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.

Response:

P312: Call a POISON CENTER or doctor/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/attention.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/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 contents/container in accordance with all Federal, State, and local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless Liquid.

IMMEDIATE CONCERNS: Flammable liquid and vapor. May affect the Central Nervous System causing dizziness, headache or nausea. Harmful if inhaled. May be harmful if swallowed. This material or a component is an aspiration hazard if swallowed - can enter lungs and cause damage. May cause eye irritation. May cause skin irritation. Prolonged or repeated contact may dry skin and cause irritation. Maybe harmful if absorbed through the skin.

POTENTIAL HEALTH EFFECTS

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

SKIN: Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage. Passage of this material into the body through the skin is possible, and skin contact may be harmful.

INGESTION: Swallowing may be harmful. Aspiration Hazard (swallowing, vomit). May result in lung inflammation and 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.

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, 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.

CANCER STATEMENT: This material (or a component) may cause cancer in humans. Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. The International Agency for Research on Cancer (IARC) has classified ethylbenzene as a possible human carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Xylene	60 - 100	1330-20-7
Ethyl Benzene	>= 10 - 35	100-41-4

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.

NOTES TO PHYSICIAN: Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.This material (or a component) is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Category 3 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: May form:, Hydrocarbons, acrid smoke and fumes, carbon dioxide and carbon monoxide, toxic fumes

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 container for disposal according to local / national 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/m³	ppm	mg/m³
Xylene	TWA	100	435	100	434
	STEL			150	651
Ethyl Benzene	TWA	100	435	100	434
	STEL			125	543

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: Aromatic

ODOR THRESHOLD: No data available.

APPEARANCE: Colorless Liquid

pH: 7

PERCENT VOLATILE: No data available.

FLASH POINT AND METHOD: 21°C (70°F) to 27°C (81°F) Tag closed cup

FLAMMABLE LIMITS: 1.0% to 7.1%

AUTOIGNITION TEMPERATURE: 432°C (810°F) to 530°C (986°F)

VAPOR PRESSURE: 8 mm Hg @ 20 C

Notes: Estimated

VAPOR DENSITY: 3.7

BOILING POINT: 138°C (281°F)

FREEZING POINT: No data available.

MELTING POINT: -26°C (-15°F)

SOLUBILITY IN WATER: Negligible.

EVAPORATION RATE: 0.76 (Butyl Acetate = 1)

DENSITY: 0.86 g/cm3 at 20°C (68°F)

SPECIFIC GRAVITY: No data available.

VISCOSITY #1: < 0.9 mm2/s at 20°C

(VOC): % No data available.

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.

HAZARDOUS DECOMPOSITION PRODUCTS: May form:, Hydrocarbons, acrid smoke and fumes, carbon dioxide and carbon monoxide, toxic fumes

INCOMPATIBLE MATERIALS: Avoid contact with:, Reducing agents, Strong acids, Strong oxidizers, alkalis

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)	INHALATION LC_{50} (rat)
Xylene	4300 mg / kg (Rat)	> 2000 mg / kg (dermal Rabbit)	1700 mg/L (4h)
Ethyl Benzene	3500 mg / kg (Rat)	15433 mg / kg (dermal Rabbit)	4000 ppm (inhalation/rat) (4h)

EYE EFFECTS: Eye irritant

SKIN EFFECTS: Skin Irritant.

CARCINOGENICITY

Notes: This material (or a component) may cause cancer in humans. Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. The International Agency for Research on Cancer (IARC) has classified ethylbenzene as a possible human carcinogen.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

BIOACCUMULATION/ACCUMULATION: Readily Biodegradable.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC_{50}: 88 mg/L

48-HOUR EC_{50}: 75 mg/L (Daphnia magna)

96-HOUR EC_{50}: 4.0 mg/L(Algae)

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: Xylene

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1307

PACKING GROUP: III

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Xylene

UN NUMBER: 1307

HAZARD CLASS: 3

PACKING GROUP: III

AIR (ICAO/IATA)

SHIPPING NAME: Xylene

UN/NA NUMBER: 1307

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Xylene

UN/NA NUMBER: 1307

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

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: Mixed xylenes - 100.00 %
Ethylbenzene - 35.00 %
Toluene - 1.00 %

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Listed.

THRESHOLD QUANTITY: 100 lbs.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Xylene (CAS# 1330-20-7)

REPORTABLE SPILL QUANTITY: 100 lbs

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

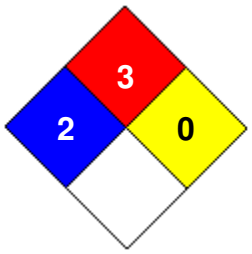
16. OTHER INFORMATION

PREPARED BY: BC

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.