

SAFETY DATA SHEET



Date Issued : 6/5/2013
MSDS No : 129132
Date Revised : 9/11/2013
Revision No : 4

Acetone, Quart Can

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Acetone, Quart Can
PRODUCT CODE: 129132
PRODUCT FORMULATION NAME: Propanone
MOLECULAR FORMULA: C₃H₆O
ALTERNATE TRADE NAME(S): Acetone, Propanone

MANUFACTURER

Fiberglass Coatings Inc.
www.fgci.com
4301A 34th Street North
St. Petersburg, FL 33714
Customer Service: 800-272-7890
E-Mail: fgci@fgci.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

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

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Exclamation
mark

HAZARD STATEMENTS

H225: Highly flammable liquid and vapor.
H319: Causes serious eye irritation.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENT(S)

Prevention:

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

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/.../ equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P264: Wash ... thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.

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.
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P370+P378: In case of fire: Use ... to extinguish.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P304+P341: IF INHALED: If breathing is difficult, 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: Colorless Liquid

IMMEDIATE CONCERNS: **Extremely Flammable Liquid** which may be ignited by open flames or sparks including static electricity, This material also has strong vapors which may be irritating to the eyes and respiratory tract. It will be burning to the eyes and moderately irritating to the skin. Ingestion of even small amounts of this product may be toxic.

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 contact may cause sensitization. Symptoms include redness, burning, and drying and cracking of skin, burns and other skin damage.

SKIN ABSORPTION: 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 will be harmful. Overexposure may cause Nervous System damage. Contact a physician immediately. This material can get into the lungs during swallowing or vomiting possibly causing lung inflammation and other lung injury.

INHALATION: High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal.

CARCINOGENICITY: Not classified as a carcinogen by the International Agency for Research of Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

MEDICAL CONDITIONS AGGRAVATED: Pre-existing disorders of the following may be aggravated by exposure: skin, lung,

blood-forming system.

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

TARGET ORGAN STATEMENT: Shorten the time of onset of liver or kidney damage induced by other chemicals.

Overexposure has caused the following in laboratory animals: mild, reversible liver effects; mild, reversible kidney effects; blood abnormalities.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
Acetone	> 99	67-64-1

4. FIRST AID MEASURES

EYES: Flush eyes for at least 15 minutes, holding eyelids open. If easily accomplished, check for and remove contact lenses. 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: 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. Seek medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

SKIN ABSORPTION: Central nervous depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness). Other central nervous effects, high blood sugar, coma.

INGESTION: Mouth and throat irritation (soreness, dry or scratchy feeling, cough). Stomach or intestinal upset (nausea, vomiting, diarrhea).

INHALATION: Irritation (nose, throat, airways).

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Category 1 Flammable Liquid

HAZARDOUS COMBUSTION PRODUCTS: Produces carbon oxides (CO, CO₂).

OTHER CONSIDERATIONS: Slightly explosive in the presence of open flames, sparks, oxidizing agents and acids.

EXPLOSION HAZARDS: Forms explosive mixtures with hydrogen peroxide, acetic acid, nitric acid (+ sulfuric acid), chromic anhydride, chromyl chloride, nitrosyl chloride, hexachloroelamine, nitrosyl perchlorate, nitryl perchlorate, permonosulfuric acid, thiodiglycol + hydrogen peroxide, potassium tert-butoxide, sulfur dichloride, 1-methyl-1,3-butadiene, bromoform, carbon, air, chloroform, thitriazlperchlorate.

FIRE FIGHTING PROCEDURES: Flammable Liquid, soluble or dispersed in water.

Small Fire: Use DRY chemical powder.

Large Fire: Use alcohol foam, water spray, or fog.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all near by 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.

LARGE SPILL: Follow procedure for small spills. Dike ahead of spill to contain material. Water mist may be used to disperse vapors. Notify proper authorities if the spill cannot be contained. Follow Local, State, and Federal regulations for disposal.

GENERAL PROCEDURES: Always ensure proper ventilation from any spill. Respirators or SCBA are required if permissible exposure limits are exceeded due to inadequate general ventilation. All spills should be contained as best as possible. All chemical spills should be assumed to be hazardous to the environment to ensure safety.

7. HANDLING AND STORAGE

HANDLING: Avoid ignition sources (flame, spark, smoking, etc) in use or handling areas. Use explosion proof electrical equipment. Ground all equipment containing this material. Do not ingest or breathe vapors/fumes. Avoid contact with eyes and skin. Always wear proper PPE when handling. Provide sufficient ventilation. A NIOSH respirator is required if permissible exposure limits are exceeded.

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)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Acetone	TWA	1000	2400	500	
	STEL			750	

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: Pungent, Sweet

APPEARANCE: Colorless Liquid

COLOR: Colorless

PHYSICAL STATE COMMENTS: Odor Threshold: 62 ppm

pH: Not Available

PERCENT VOLATILE: 100 %

FLASH POINT AND METHOD: ~ -20 °C (-4 °F) Closed Cup

FLAMMABLE LIMITS: 2.5% to 12.8%

AUTOIGNITION TEMPERATURE: 465 °C (869 °F)

VAPOR PRESSURE: 30.797 kPa @ 25 C

VAPOR DENSITY: 2 (Air =1)

BOILING POINT: 56.2 °C (133.2 °F)

MELTING POINT: -93.35 °C (-139.6 °F)

SOLUBILITY IN WATER: Easily soluble in cold water, hot water.

EVAPORATION RATE: 14.40 (Butyl Acetate = 1)

DENSITY: .791

SPECIFIC GRAVITY: 1 at 20 °C (40 °F)

VISCOSITY #1: .3075 cP

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid all unplanned contact.

INCOMPATIBLE MATERIALS: May form explosive mixtures with chromic anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tert-butoxide, thioglycol. Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Acetone	5800 mg / kg (Rat)	> 20000 mg / kg (dermal Rabbit)	> 16000 ppm (inhalation/rat) (4h)

EYES: No eye irritation.

DERMAL LD₅₀: 20 ml/ Kg Rabbit

ORAL LD₅₀: 5.6 - 13 g/Kg Rat

INHALATION LC₅₀: 64 000 ppm rat

EYE EFFECTS: Causes eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

SKIN EFFECTS: May cause skin irritation. May be harmful if absorbed through the skin.

CARCINOGENICITY

IARC: No

NTP: No

12. ECOLOGICAL INFORMATION**AQUATIC TOXICITY (ACUTE)**96-HOUR LC₅₀: 8.3 g / L**13. DISPOSAL CONSIDERATIONS**

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

RCRA/EPA WASTE INFORMATION: D001 (Ignitable)

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Acetone

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1090

PACKING GROUP: II

AIR (ICAO/IATA)

SHIPPING NAME: Acetone

UN/NA NUMBER: 1090

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

VESSEL (IMO/IMDG)

SHIPPING NAME: Acetone

UN/NA NUMBER: 1090

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.

16. OTHER INFORMATION

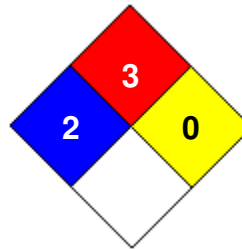
PREPARED BY: Harrison Edwards

REVISION SUMMARY: This MSDS replaces the 6/19/2013 MSDS. Revised: **Section 2: POTENTIAL HEALTH EFFECTS** -

EYES. **Section 3:** Wt%. **Section 4:** EYES, INGESTION, INHALATION, SKIN. **Section 5:** FLASH POINT AND METHOD. **Section 6:** GENERAL PROCEDURES, LARGE SPILL, SMALL SPILL. **Section 7:** GENERAL PROCEDURES, HANDLING, STORAGE. **Section 8:** ENGINEERING CONTROLS, PERSONAL PROTECTIVE EQUIPMENT (EYES AND FACE, RESPIRATORY), WORK HYGIENIC PRACTICES. **Section 10:** CONDITIONS TO AVOID, STABILITY. **Section 11:** ACUTE - INHALATION LC₅₀ (rat). **Section 13:** DISPOSAL METHOD, EMPTY CONTAINER, RCRA/EPA WASTE INFORMATION, RCRA HAZARD CLASS. **Section 14:** ADDITIONAL INFORMATION, AIR (ICAO/IATA) (PRIMARY HAZARD CLASS/DIVISION, PACKING GROUP, UN/NA NUMBER), DOT (DEPARTMENT OF TRANSPORTATION) (PLACARDS, LABEL DOT (DEPARTMENT OF TRANSPORTATION), ROAD AND RAIL (ADR/RID), , PROPER SHIPPING NAME, NOTE, UN NUMBER, PACKING GROUP), VESSEL (IMO/IMDG) (PRIMARY HAZARD CLASS/DIVISION, PACKING GROUP, UN/NA NUMBER), NATURE OF DANGER. **Section 15:** ACUTE, CARCINOGEN, CERCLA REGULATORY, CERCLA RQ, CHRONIC, CLEAN WATER ACT, FIRE, PRESSURE GENERATING, REACTIVITY, 311/312 HAZARD CATEGORIES, 313 REPORTABLE INGREDIENTS, TSCA REGULATORY, TSCA STATUS, 40 CFR PART 68--RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION, WHMIS CLASS. **Section 16:** HMIS RATING (PERSONAL PROTECTION, CHRONIC), NFPA CODES - HEALTH.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		H

NFPA CODES

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