

TECH LINE Coatings

MATERIAL SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: CilGen LTC Clear

Part Number: LTC

Recommended Use: Protective Clear Coating

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
26844 ADAMS AVE.
MURRIETA, CA 92562
USA
Phone 951-304-0834
Fax 951-461-9658
www.techlinecoatings.com

Keep out of reach of children.

Emergency Phone: (Chemtrec) 1-800-424-9300

Section 2 – Hazards Identification

Classification:

Signal Word:

Danger

Symbols:

Precautionary Statements:



Highly Flammable Liquid and Vapor



Corrosive

HMIS RATINGS:

Health hazard	3	Serious
Flammability hazard	3	Serious
Reactivity hazard	1	Slight

Section 3 – Composition / Information On Ingredients

Component	CAS#	% of Weight
n-Butyl Acetate	123-86-4	> 50%
t-Butyl Acetate	540-88-5	< 10%
Toluene	108-88-3	< 1.1%
Trade Secret	Trade Secret	Trade Secret

Section 4 – First Aid Measures

After EYE Contact:

- Immediately irrigate with plenty of water for 15 minutes. Obtain medical attention if irritation persists.

After SKIN Contact:

- Remove contaminated clothing without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering.

After INHALATION:

- Administer oxygen if there is difficulty in breathing. Obtain medical attention immediately if necessary.

After SWALLOWING:

- Call a physician immediately, ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Most Important Symptoms / Effects:

Acute:

Corrosive.

Eye contact: May cause burns resulting in permanent damage.

Skin contact: May cause burns resulting in permanent damage.

Inhalation: Causes respiratory tract irritation.

Ingestion: Harmful if swallowed. May cause severe and permanent damage to the mouth, throat and stomach.

Delayed / Chronic:

See section 11 for additional information

Notes to Physician: Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: 69° F. Method: TCC	Flammable Limits LEL-: Not Established	Flammable Limits UEL-: Not Established	Stability: See Section 10
Extinguishing Media: Alcohol resistant foam, CO ₂ , dry chemical, dry sand. Cool closed containers exposed to fire with water spray.		Special Fire Fighting Procedures: Use full protective equipment, including self contained breathing apparatus	
Unusual Fire And Explosion Hazards: During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.		Specific Hazards Arising from the Chemical: Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.	

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Soak up with inert absorbent material.
- Keep in suitable, marked and closed containers for disposal.
- Use spark-proof tools and explosion-proof equipment.
- Remove sources of ignition.
- Warn other workers of spill.
- Wear protective equipment
 - NIOSH Approved Respirator
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors or mists from spraying. Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment. If required wear an appropriate NIOSH approved respirator with paint prefilter. Use explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

Corrosive. Vapor is harmful. May cause eye irritation, burning sensation on skin. If inhaled, may cause headache, dizziness or nausea.

Storage:

Store in area suitable for flammable liquids. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from moisture, strong acids, isocyanates, strong oxidizers and protic solvents.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component	ACGIH TLV	OSHA PEL	
n-Butyl Acetate	TWA: 150 ppm STEL: 200 ppm	TWA: 150 ppm	
t-Butyl Acetate	TWA: 200 ppm	TWA: 200 ppm	
Toluene	TWA 20 ppm	TWA 200 ppm	

(NIOSH IDLH: Immediately Dangerous to Life or Health)

Engineering Controls:	Exhaust ventilation. Showers Eyewash stations Use in a well-ventilated area.
Respiratory Protection:	Use NIOSH approved respirator if TWA/TLV limits are exceeded
Protective Gloves:	CHEMICAL RESISTANT
Eye Protection:	SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES
Other Protective Equipment:	WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES
Ventilation:	Local Exhaust: Use To Maintain Below TWA Limits
Mechanical:	Use Non-Sparking Equipment
Work / Hygienic Practices:	wash thoroughly after handling product and before eating, drinking or smoking

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Colorless to clear tan
odor	slightly ammonia like
Odor Threshold	No information available.
PH	Not Established
Vapor Pressure	Not Established
Vapor Density	> 1
Viscosity	Not Established
Boiling Point/Range	208 – 284° F.
Melting Point/Range	Not Established
Decomposition temperature	Not Established
Flash Point	< 69° F
Evaporation Rate	Not Established
Specific Gravity	0.890
Solubility	Reacts in water
VOC	4.5 lbs per gallon

SECTION 10 – STABILITY AND REACTIVITY

Stability:	STABLE
Incompatibility (Materials to Avoid):	CONTACT WITH STRONG OXIDIZING AGENTS, ACIDS
Hazardous Decomposition Products:	Carbon monoxide (CO), Carbon dioxide (CO ₂), Formaldehyde, Methanol
Hazardous Polymerization:	WILL NOT OCCUR
Conditions to Avoid:	Avoid contact with Oxidizing Agents, Sparks or Flame

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects on Eyes:	Severe Irritation, Redness, Tearing and Blurred Vision. Contact Lenses Pose A Special Hazard; Soft Lenses May Absorb, All Lenses Concentrate Irritants
Effects on Skin:	Prolonged Or Repeated Contact Can Cause Moderate Irritation, Defatting And Dermatitis
Effects from Inhalation:	Excessive Inhalation Of Vapors Can Cause Nasal And Respiratory Irritation, Dizziness,

Headache, Possible Unconsciousness, Death

Effects from Swallowing: Can Cause Gastrointestinal Damage, Irritation, Nausea, Vomiting, And Diarrhea. Aspiration Of The Material Into The Lungs Can Cause Chemical Pneumonitis Which Can Be Fatal

Potential Health Effects:

Trade Secret component:

Oral LD50, rat: > 300 - 2,000 mg/kg

Skin irritation, rabbit: severe erythema with signs of necrosis after 1 hour exposure.

t-Butyl acetate (540-88-5)

t-Butyl acetate is an irritant to the skin, eyes and respiratory system. Severe overexposure can cause weakness, drowsiness, and unconsciousness. Inhalation can cause CNS depression. Animal studies have shown central nervous system effects by the oral route (behavioral changes).

n-Butyl Acetate (123-86-4)

Moderately toxic by the intraperitoneal route. Mildly toxic by inhalation and ingestion. An experimental teratogen. Causes skin, severe eye, and upper respiratory tract irritation. High concentrations can cause headache, drowsiness and narcosis.

Toluene (108-88-3)

Eye contact can cause severe irritation, redness, tearing and blurred vision. Prolonged or repeated contact with skin can cause moderate irritation, defatting and dermatitis. Acute exposure to toluene results in central nervous system depression. Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and asphyxiation. Fetal developmental abnormalities and adverse reproductive effects have been reported in laboratory animals. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs can cause chemical pneumonitis which can be fatal. Has been found to cause liver abnormalities, kidney damage and spleen damage in laboratory animals.

SECTION 12 – ECOLOGICAL INFORMATION

General Comments: Do not allow material to be released into the environment without proper governmental permits

Environmental Toxicity:

Fish toxicity: LC50 57.1 mg/l (96 h, Zebra fish (Danio rerio))

Method: OECD 203

The values mentioned are those of the active ingredient.

Daphnia toxicity: not tested.

Algae toxicity: not tested.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Disposal should be made in accordance with federal, state and local regulations. Recovered non-usable material is a RCRA hazardous waste. Treatment, storage, transportation and disposal must be in accordance with EPA and State regulation under the authority of the Resource Conservation and Recovery Act (RCRA) 40 CFR parts 260-271. A competent and properly permitted contractor should do appropriate disposal.

SECTION 14 – TRANSPORTATION INFORMATION

Hazardous for Shipping: Yes (Ground ORM-D in consumer packaging)

DOT Shipping Name: Paint, flammable, corrosive

DOT Hazard Class: 3(8)

DOT Labels: Flammable Liquid, Corrosive

UN Number: UN3469

Placards: Flammable Liquid, Corrosive

Packing Group: II

Air (IATA): UN3469, Paint, flammable, corrosive, 3(8), II

SECTION 15 – REGULATIONS

Information about Limitation or Use:

Other Regulations, Limitations, and Prohibitive Regulations:

Component	CAS Number	SARA 313	SARA 304	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes	Yes

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All ingredients are on the TSCA Chemical Substance Inventory.

Product Related Hazard Information:

Hazard Symbols: Flammable Liquid, Corrosive

Risk Phrases: Flammable Liquid, Corrosive

Safety Phrases: Flammable Liquid, Corrosive

SECTION 16 – OTHER INFORMATION

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