

TECH LINE COATINGS, INC.**+MATERIAL SAFETY DATA SHEET****Section 1****Product Identification****Product Name:** CILGEN LTC**Date Prepared:** 1/13/2006 Update 4-17-08**Part Number:** LTC**Formula:** Complex Mixture**Manufacturer / Supplier:**

Techline Coatings, Inc
 26844 ADAMS AVE.
 MURRIETA, CA 92562
 USA
 Phone 951-304-0498
 Fax 951-461-9658
 www.techlinecoatings.com

Chemical Family: INDUSTRIAL COATING**Emergency Phone:**

Chemtrec
 1-800-424-9300
 1-703-527-3887

Section 2**Composition / Data On Components**

Component	CAS#	% of Weight	OSHA PEL	ACGIH TLV	Sara 313
Proprietary Silazane Based Resin	475645-84-2	> 10 %	Not Established	Not Established	
n-Butyl Acetate	123-86-4	> 70%	Not Established	Not Established	

* = Total Dust

** = Respirable Fraction

Components not listed above are non-hazardous or are not in reportable quantities.

Section 3**Hazards Identification****HMIS RATINGS:**

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

Appearance and Odor:

Clear Liquid / Ammonia Solvent Smell

POTENTIAL HEALTH EFFECTS

Signs and Symptoms of Overexposure in the Workplace:

WARNING: Flammable, Corrosive liquid; Harmful by inhalation and in contact with skin. Irritating to eyes, respiratory system and skin.

Target Organ (s): Liver, Kidneys

Medical Conditions Aggravated by Exposure: None known.

Primary Routes of Exposure/Entry:

\Eye or skin contact; inhalation of vapor or mist. Ingestion unlikely.

Note: Contact of this product with moisture can produce ammonia, which can cause irritation of the eyes, skin, nose, throat, lungs, etc.

Section 4**First Aid Measures****After EYE Contact:**

- Immediately irrigate with plenty of water for 15 minutes including under the eyelids. 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:

- Remove to fresh air. 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.

Section 5
Fire Fighting Measures

Flash Point: >79° F Method: TCC	Flammable Limits LEL-: Not Established	Flammable Limits UEL-: Not Established	Stability: See Section 10
Extinguishing Media: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL		Special Fire Fighting Procedures: USE FULL PROTECTIVE EQUIPMENT, INCLUDING SELF CONTAINED BREATHING APPARATUS. Use water spray to cool fire-exposed containers.	
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. Container explosion may occur under fire conditions. May emit toxic fumes under fire conditions.			

Section 6
Accidental Release Measures

Steps to be taken in case material is released or spilled:

- 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 without proper governmental permits

Measures for cleaning / collecting:

- CLEAN SPILL WITH ABSORBENT MATERIAL

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. If required wear an appropriate NIOSH approved respirator with paint prefilter.

Vapor is harmful. May cause eye irritation, burning sensation on skin. If inhaled, may cause headache, dizziness or nausea. Contains petroleum distillate, harmful or fatal if swallowed.

Storage:

STORE IN A COOL DRY PLACE, SUITABLE FOR OSHA CLASS 1 FLAMMABLE LIQUIDS
 Keep away from heat, sparks, and open flame. Keep container tightly closed. Vent periodically to release any head pressure.

Section 8
Exposure Controls and Personal Protection

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

General: The OSHA cadmium standard requires the use of appropriate protective work clothing and equipment when the level of airborne cadmium exceeds the PEL, or when exposure causes skin or eye irritation.

Section 9

Physical And Chemical Properties

APPEARANCE AND ODOR: Clear Liquid. May detect slight ammonia and solvent odors during normal handling.

PHYSICAL PROPERTIES

Boiling Range: 98 - 140°C (208 - 284°F)

Flashpoint: 26°C (79°F)

Specific Gravity: 0.904

Density: 7.53 lb/gallon

Viscosity: N/A

SECTION 10

STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITIES: Strong oxidizing agents Material may react with water, with certain protic solvents, acids and isocyanates.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide, Hydrogen fluoride, Hydrogen chloride gas.

HAZARDOUS POLYMERIZATION: None.

Section 11

Toxicological Information

Toxicological Information - Silazane Polymer

CARCINOGENICITY INFORMATION:

Not listed as a carcinogen by NTP (National Toxicology Program); not regulated as a carcinogen by OSHA (Occupational Safety and Health Administration); not evaluated by IARC (International Agency for Research on Cancer).

REPORTED HUMAN EFFECTS:

No human studies have been conducted with this material. The use of recommended protective equipment should prevent any adverse effects. No reports of adverse effects from workers handling this material been received.

REPORTED ANIMAL EFFECTS:

Oral LD50, rat: 200 - 2,000 mg/kg.

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

Toxicological Information - Hydrocarbon Solvent

ACUTE EXPOSURE EFFECTS

SKIN CONTACT: May cause irritation, drying, redness, burning and cracking.

EYE CONTACT: May cause irritation and conjunctivitis.

INGESTION: Harmful or fatal if swallowed. May cause dizziness, nausea headache, weakness, drowsiness, vomiting, and irritation of digestive tract, loss of coordination, fatigue, muscle twitches, diarrhea, gastrointestinal irritation, unconsciousness, convulsions and death.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage such as anemia, skin irritation, bone marrow, liver damage and jaundice. In addition, various organic solvents have exhibited mutagenic and teratogenic properties. For specific information regarding these effects please see individual manufacturing data sheets for solvent components listed in Section 2.

Section 12

Ecological Information

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

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. Do not mix this product with aqueous or other protic wastes streams. Incineration of combustible waste material in a permitted facility in accordance with the local, state, and federal regulations is the recommended disposal method.

Section 14

Transportation Information

Hazardous for Shipping: Yes

DOT Shipping Name: Paint, flammable, corrosive

DOT Hazard Class: 3(8)

DOT Labels: Flammable liquid, corrosive
UN Number: UN3469
Packing Group: II

Air (IATA): UN3469, Paint, flammable, corrosive, 3.8, II

Section 15

Regulations

SARA 313: This product does not contain any chemicals subject to reporting under Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40CFR372.

CERCLA: This product does not contain any chemicals subject to reporting as a CERCLA Hazardous Substance under 40CFR302.4.

TSCA: This product is TSCA listed and Compliant under EPA Accession# L01-0022.

EU Labeling

C: Corrosive
F: Flammable
Xn: Harmful

EU Risk and Safety Phrases:

R10: Flammable
R22: Harmful if swallowed.
R34: Causes severe skin burns.
S16: Keep away from sources of ignition. No smoking.
S23: Do not breathe gas/fumes/vapor/spray.
S24/25/26: Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of water.
S37/39: Wear suitable gloves and eye/face protection.

Section 16

Other Information

This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of Tech Line Coatings, Inc., knowledge or obtained from sources believed by Tech Line Coatings, Inc. to be accurate. Tech Line Coatings, Inc. does not assume any legal responsibility for use or reliance upon same. Before using any chemical, read its label, instructions and material safety data sheet.