



MATERIAL SAFETY DATA SHEET

Section 1

Product Identification

Product Name: CilgenSeal (formerly CERMASEAL)

Date Prepared: 9/29/2009 (update)

Part Number: CSL

Formula: Complex Mixture

Manufacturer / Supplier:

Techline Coatings, Inc
26844 ADAMS AVE.
MURRIETA, CA 92562
USA
Phone 972-775-6130
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

Table with 6 columns: Component, CAS#, % of Weight, OSHA PEL, ACGIH TLV, Sara 313. Rows include PARACHLOROBENZOTRIFLUORIDE, Trade Secret, Methanol.

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

Section 3

Hazards Identification

HMIS RATINGS:

Table with 3 columns: Hazard type, Rating, Severity. Rows: Health hazard (3, Serious), Flammability hazard (1, Slight), Reactivity hazard (1, Slight).

Appearance and Odor:

Clear Liquid / Ammonia Solvent Smell

Hazard Description:

WARNING: Corrosive liquid
May cause severe eye irritation or eye burns.
Causes skin burns with redness, pain and swelling.
May cause irritation of mucous membranes if vapor or mist is inhaled.

Potential Health Effects:

PARACHLOROBENZOTRIFLUORIDE:
Target Organs: Central Nervous System, Kidneys, and Liver

Irritancy:
Eyes, Respiratory Tract, and Skin

Inhalation:
May produce symptoms of Central Nervous System depression including Headache, Dizziness, Nausea, Loss of Balance and Drowsiness

This material releases methanol (methyl alcohol) upon hydrolysis. According to literature methanol (CAS no. 67-56-1) irritates mucous membranes, has skin drying and narcotic effects up to coma and death. Absorption by the skin is possible. Possibility of damage to heart kidneys, liver and optic nerve (blindness) over a period of time. Ingestion is not expected during industrial use.

This product contains components that can generate Formaldehyde at approximately 300 degrees Fahrenheit (150° C) and above in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from Tech Line Coatings, Inc. on request.

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: >200° 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

Section 9

Physical And Chemical Properties

Appearance and Odor:	Clear LIQUID / SOLVENT SMELL
Boiling Point:	172° – 355° F.
Vapor Density (Air = 1):	<1
Vapor Pressure:	Not Established
Melting Point:	Not Applicable
Solubility in Water:	Not Established
Reactivity in Water:	Reacts slowly to water
VOC's:	Not Established

SECTION 10

STABILITY AND REACTIVITY

Stability:	STABLE
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Incompatibility (Materials to Avoid): CONTACT WITH STRONG OXIDIZING AGENTS, ACIDS OR BASES, Reacts vigorously and exothermically with isocyanates. Material will react slowly with water and other protic solvents will form methanol as a byproduct of reaction.

Hazardous Decomposition Products: Carbon Monoxide, Carbon dioxide, Silicon dioxide, Chlorine and Fluorine containing gases can be produced

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: Avoid contact with Oxidizing Agents, Sparks or Flame, isocyanates

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

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 (Ground ORM-D in consumer packaging)

DOT Shipping Name: Paint
DOT Hazard Class: Class 8
DOT Labels: Corrosive
UN Number: UN3066
Placards: Corrosive
Packing Group: II

Air (IATA): Paint, 8, UN3066, II

Section 15

Regulations

Product Related Hazard Information:

Hazard Symbols: Corrosive
Risk Phrases: Corrosive
Safety Phrases: Corrosive

National Regulations:

Canada:
WHMIS Hazard Class: B3

Other Regulations, Limitations, and Prohibitive Regulations:

EU Labeling

C: Corrosive
Xn: Harmful

EU Risk and Safety Phrases:

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.