



## MATERIAL SAFETY DATA SHEET

**Section 1****Product Identification****Product Name:** CSL, CERMASEAL**Date Prepared:** 10/27/2004 (update)**Part Number:** 63004, 63006, 63032, 63028**Formula:** Complex Mixture**Manufacturer / Supplier:**

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 USA

**Chemical Family:** INDUSTRIAL COATING

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**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
PARACHLOROENZOTRIFLUORIDE	98-56-6	> 20 %	Not Established	Not Established	
Trade Secret	Trade Secret	> 10%	Not Established	Not Established	
Trade Secret	Trade Secret	> 4%	Not Established	Not Established	
Methanol	67-55-1	Varies	200 PPM	200 PPM	
Toluene	108-88-3	< 1%	200 PPM	50 PPM	

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	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:**

PARACHLOROENZOTRIFLUORIDE:

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.

**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**

<b>Flash Point:</b> >200° F. <b>Method:</b> TCC	<b>Flammable Limits LEL-:</b> Not Established	<b>Flammable Limits UEL-:</b> Not Established	<b>Stability:</b> See Section 10
<b>Extinguishing Media:</b> FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL		<b>Special Fire Fighting Procedures:</b> USE FULL PROTECTIVE EQUIPMENT, INCLUDING SELF CONTAINED BREATHING APPARATUS. Use water spray to cool fire-exposed containers.	
<b>Unusual Fire And Explosion Hazards:</b> 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:** None

**VOC's:** Not Established

## **SECTION 10**

### **STABILITY AND REACTIVITY**

**Stability:** STABLE

**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**

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#### **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**

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