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## SAFETY DATA SHEET - CHEMLINQ™ TC-8020T

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : TC-8020T-450, TC-8020T, TC-8020L  
**SUPPLIER NAME** : CAPLINQ Corporation

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**MSDS NUMBER** : TC-8020T - #20011122  
**CHEMICAL NAME** : CHEMLINQ™ TC-8020T-450| Optically Clear Molding Compound  
**CAS NUMBER** : Not applicable  
**DOT HAZARD CLASS** : Not applicable  
**TRADENAMES** : TC-8020T-450

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATION

##### Physical Hazards

No Classification

##### Health Hazards

- Skin Corrosion/Irritation: 1B; H317
- Eye Damage/Irritation: 2B; H320

##### Environmental Hazards

No Classification

#### HAZARD IDENTIFICATION

##### Hazard Symbols:



**Signal Word: Warning.**

##### Hazard statements

- Causes eye Irritation
- May cause an allergic skin reaction

##### Precautionary statement(s)

###### • Prevention

- P261** Avoid breathing dust/fume/gas/mist/vapors/spray.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.  
**P264** Wash thoroughly after handling.

###### • Response

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water.

**P333 + P313** If skin irritation or rash occurs: Get medical advice/attention.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

• **Storage**

**P403 + P233** Store in a well-ventilated place. Keep container tightly closed.

**P405** Store locked up.

• **Disposal**

**P501** Dispose of container in accordance with local/regional/national/international regulation.

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### SECTION 3. INGREDIENT COMPOSITION

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No.	Components	CAS Reg. No.	Concentration
1	Epoxy Resin	61788-97-4	30-70%
2	Hardener	13149-00-3	10-50%
3	Antioxidant	128-37-0	0-10%
4	Additives	Confidential	0-10%

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### SECTION 4. FIRST AID MEASURES

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**INHALATION:**

- If symptoms develop, move individual away from exposure and into fresh air.
- If symptoms persist, seek medical attention.
- Administer oxygen if breathing is difficult.
- Get medical attention.
- Keep patient warm and quiet.

**EYE CONTACT:**

- If symptoms develop, rinse eyes cautiously with water for at least 15 minutes while holding eyelids apart.
- Seek medical attention immediately.

**SKIN CONTACT:**

- Immediately rinse with soap and water. If skin irritation continues, seek medical attention.

**INGESTION:**

- Seek medical attention.
- If individual is drowsy or unconscious, do not give anything by mouth.
- Place individual on the left side with the head down.
- Contact a physician, medical facility or poison control center for advice about whether to induce vomiting.
- If possible, do not leave individual unattended.

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### SECTION 5. FIRE FIGHTING MEASURES

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**NATURE OF HAZARD**

- May produce oxides of carbon if incomplete combustion occurs.

**HAZARDOUS COMBUSTION PRODUCTS**

- Stable under recommended storage conditions. By combustion, formation of toxic products: carbon, carbon monoxide, and carbon dioxide.

**SUITABLE (UNSUITABLE) EXTINGUISHING MEDIA**

- Water spray, dry chemical, carbon dioxide or foam.

**PROTECTION OF FIREFIGHTERS**

- Firefighters should wear self-contained breathing apparatus and full protective clothing.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Ensure adequate ventilation.
- Wear suitable protective clothing to avoid contact with skin and eye, and inhale gas.
- Avoid formation of dust.
- Keep away from ignition sources.

### ENVIRONMENT PRECAUTIONS

- Prevent spills from entering sewers, surface or ground water.

### METHODS FOR CLEANING UP

- Clean up materials using a broom or cleaning machine not to raise dust.

### DISPOSAL

- Consult a waste disposal company for optimal treatment, or abandon by fire according to the local regulations.

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## SECTION 7. HANDLING AND STORAGE

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### HANDLING

- Prevent formation of dust. Dust can combine with air to form an explosive mixture.
- Any deposit of dust which can not be avoided must be regularly removed.
- Ensure good ventilation/exhaustion at the workplace.
- Keep ignition sources away – Do not smoke.
- Protect against electrostatic charges.

### STORAGE

- Store under 5 °C in a tightly sealed container.
- Store in a cool, dry, well-ventilated area, away from direct sunlight, heat and open flames.
- Store away from strong acids, alkali, and oxidizing agent.
- Storage term: 5°C and below.

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## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### VENTILATION SYSTEM:

Adequate facilities are required for each mold press to exhaust the fume and smell. The common ventilation system of molding machines is required (recommended wind volume higher than 12m<sup>3</sup>/min and wind speed higher than 0.5m/s, static pressure approx. 200mm Aq).

### PERSONAL PROTECTIVE EQUIPMENT:

- **Respiratory Protection:** Half mask respirator with an organic vapor cartridge.
- **Hand Protection:** Wear impermeable gloves.
- **Eye Protection:** Safety goggles.
- **Body Protection:** Wear impermeable clothing.
- **Specific hygiene measures:** When using, do not eat or smoke.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Tablet or Powder

**COLOR:** Blue

**ODOR:** Odor when molding.

**PH:** Not Applicable

**INITIAL BOILING POINT/BOILING RANGES:** Not applicable  
**FUSING POINT:** 70-110 °C  
**DECOMPOSITION TEMPERATURE:** Above 200 °C  
**FLASH POINT:** Above 200 °C  
**AUTOIGNITION TEMPERATURE:** Above 200 °C  
**EXPLOSION PROPERTIES:** Not applicable  
**VAPOUR PRESSURE:** Not applicable  
**VAPOUR DENSITY:** Not applicable  
**DENSITY:** 1.1-1.3 g/cm<sup>3</sup> (Specific gravity)  
**SOLUBILITY IN WATER:** Not solve in water  
**SOLUBILITY:** Not miscible in water, miscible in Ketone

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## SECTION 10. STABILITY & REACTIVITY

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**CHEMICAL STABILITY:** Stable at the temperature below 5 °C for at least 6 months in a closed container.

**CONDITION TO AVOID:** Store in an environment with high temperature or high humidity.

**MATERIALS TO AVOID:** Strong acids, oxidizing agents or hardeners for epoxy resins.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may from carbon monoxide, carbon dioxide, nitrogen, nitrogen oxides and water vapor.

**HAZARDOUS POLYMERIZATION:** Will not occur at room temperature and pressure.

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## SECTION 11. TOXICOLOGICAL INFORMATION

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<b>SKIN &amp; EYE IRRITATION:</b>	No data available
<b>SUBACUTE TOXICITY:</b>	No data available
<b>IRRITANT EFFECTS:</b>	No data available
<b>SENSITISATION:</b>	No data available
<b>MUTAGENICITY:</b>	No data available
<b>TERATOGENICITY:</b>	No data available
<b>CARCINOGENICITY:</b>	No data available
<b>OTHER:</b>	N/A

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## SECTION 12. ECOLOGICAL INFORMATION

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<b>ECOTOXICITY EFFECTS:</b>	No data available
<b>BIODEGRADABILITY:</b>	No data available
<b>ABIOTIC DEGRADATION:</b>	No data available
<b>BIOACCUMULATION:</b>	No data available
<b>FUTHER INFORMATION ON ECOLOGY:</b>	No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

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### DISPOSAL METHODS:

The user of this product must properly characterize the waste/ container generated from the use of this product in accordance with all applicable federal, state and/or local laws and regulations.

### DESTROYING PROCEDURE OF CONTAMINATED PACKAGINGS

Disposal must be made according to official regulations. Cleaned packaging could be recycled.

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## SECTION 14. TRANSPORT INFORMATION

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<b>UN-Number:</b>	
DOT, ADR/RID/ADN, IMDG, IATA	Not regulated as a hazardous material.
<b>UN proper shipping name:</b>	
DOT, ADR/RID/ADN, IMDG, IATA	Not regulated
<b>Transport hazard class(es):</b>	
DOT, ADR/RID/ADN, IMDG, IATA	Not applicable
<b>Packing group:</b>	
DOT, ADR/RID/ADN, IMDG, IATA	Not applicable
<b>Environmental hazards:</b>	Not applicable
<b>Special precautions for user:</b>	Not applicable
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications
<b>UN "Model Regulation":</b>	Not regulated

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized safety officer. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

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## SECTION 15. REGULATORY INFORMATION

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### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### SARA

<b>Section 355 (extremely hazardous substances):</b>	None of the ingredients are listed
<b>Section 313 (Specific toxic chemical listings):</b>	None of the ingredients are listed
<b>TSCA (Toxic Substances Control Act) Inventory:</b>	All components have the value ACTIVE
<b>Hazardous Air Pollutants:</b>	None of the ingredients are listed

#### Proposition 65

<b>Chemicals known to cause cancer:</b>	None of the ingredients are listed
<b>Chemicals known to cause reproductive toxicity for females:</b>	None of the ingredients are listed
<b>Chemicals known to cause reproductive toxicity for males:</b>	None of the ingredients are listed
<b>Chemicals known to cause developmental toxicity:</b>	None of the ingredients are listed

#### Carcinogenicity categories

<b>EPA (Environmental Protection Agency):</b>	None of the ingredients are listed
<b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>	None of the ingredients are listed

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## SECTION 16. OTHER INFORMATION

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The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither CAPLINQ America Inc., nor CAPLINQ Europe BV accept any liability arising out of the use of the information provided here or the use, application or processing of the product described herein.

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**SDS Revision Date:** 15 November 2021