

North America
CAPLINQ Corporation
80 Sirocco Crescent
Orleans, ON K2S 2C9
Canada
Tel: +1 (613) 482 2215
Email: info@caplinq.com

United States
CAPLINQ Americas.
36927 Schoolcraft Rd
Livonia, MI 48150
USA
Tel: +1 (313) 558-8243
Email: info@caplinq.com

Europe and Asia
CAPLINQ Europe B.V.
Industrieweg 15E
1566 JN Assendelft
The Netherlands
Tel: +31 (20) 893 2224
Email: info@caplinq.com



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

CAPLINQ Europe BV
Industrieweg 15E
1566 JN Assendelft
The Netherlands
+31 20 893 2224

CAPLINQ Corporation
80 Sirocco Crescent
Ottawa, ON K2S 2C9
Canada
+1 (613) 482 2215

CAPLINQ Americas
36972 Schoolcraft Rd
Livonia, MI 48150
United States of America
+1 (313) 558 8243

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

SECTION 3. INGREDIENT COMPOSITION

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%

SECTION 4. FIRST AID MEASURES

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.

SECTION 5. FIRE FIGHTING MEASURES

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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.

SECTION 7. HANDLING AND STORAGE

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.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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 12m³/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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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/cm³ (Specific gravity)
SOLUBILITY IN WATER: Not solve in water
SOLUBILITY: Not miscible in water, miscible in Ketone

SECTION 10. STABILITY & REACTIVITY

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.

SECTION 11. TOXICOLOGICAL INFORMATION

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

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS:	No data available
BIODEGRADABILITY:	No data available
ABIOTIC DEGRADATION:	No data available
BIOACCUMULATION:	No data available
FUTHER INFORMATION ON ECOLOGY:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

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.



SECTION 14. TRANSPORT INFORMATION

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

SECTION 15. REGULATORY INFORMATION

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

SARA

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

Proposition 65

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

Carcinogenicity categories

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

SECTION 16. OTHER INFORMATION

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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