

## LTS Research Laboratories, Inc. Safety Data Sheet Ethylene Carbonate

## 1. Product and Company Identification

Trade Name: Ethylene Carbonate

Chemical Formula:  $C_3H_4O_3$ 

Recommended Use: Scientific research and development

Manufacturer/Supplier: LTS Research Laboratories, Inc.

Street: 2001 Oaks Pkwy

City: Belmont
State: North Carolina

Zip Code: 28012 Country: USA

Tel #: 855-587-2436 / 855-lts-chem

24-Hour Emergency Contact: 800-424-9300 (US & Canada)

+1-703-527-3887 (International)

## 2. Hazards Identification

Signal Word: Warning



Hazard Statements: H302: Harmful if swallowed

H319: Causes serious eye irritation

H373: May cause damage to organs (Kidney) through prolonged or

repeated exposure if swallowed

Precautionary Statements: P260: Do not breathe dust/fume/gas/mist/vapours/spray

P264: Wash face, hands and any exposed skin thoroughly after

handling

P270: Do not eat, drink or smoke when using this product

P280: Wear eye protection/ face protection

P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER/

doctor if you feel unwell. Rinse mouth

 $P305 + P351 + P338; IF\ IN\ EYES; Rinse\ cautiously\ with\ water\ for\ several\ minutes.\ Remove\ contact\ lenses,\ if\ present\ and\ easy\ to\ do.$ 

Continue rinsing

P314: Get medical advice/ attention if you feel unwell

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

P501: Dispose of contents/container in accordance with

local/regional/national/international regulations

HMIS Health Ratings (0-4):

Health: N/A
Flammability: N/A
Physical: N/A

3. Composition Chemical Family: Organometallic Additional Names: 1,3-Dioxolan-2-one; EC Ethylene Carbonate (C<sub>3</sub>H<sub>4</sub>O<sub>3</sub>) Percentage: 100 wt% CAS #: 96-49-1 EC #: 202-510-0 4. First Aid Procedures General Treatment: Seek medical attention if symptoms persist. Special Treatment: None Important Symptoms: N/A Inhalation: Remove victim to fresh air. Supply oxygen if breathing is difficult. Seek medical attention. Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention. Skin: Wash affected area with mild soap and water. Remove any contaminated clothing. Seek medical attention. Eyes: Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention. 5. Firefighting Measures Non-flammable 88.8800 Flammability: poratorias, Inc. No special restrictions – use suitable extinguishing agent for Extinguishing Media: surrounding material and type of fire. Spec. Fire Fighting Procedure: Use full-face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. See section 10 for decomposition products. 6. Accidental Release Measures Wear appropriate respiratory and protective equipment specified in If Material Is Released/Spilled: special protection information. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for disposal. Take care not to raise dust. **Environmental Precautions:** Isolate runoff to prevent environmental pollution. 7. Handling and Storage **Handling Conditions:** Wash thoroughly after handling. Store in a cool dry place in a tightly sealed container. Store apart from **Storage Conditions:** materials and conditions listed in section 10. Do not use tobacco or food in work area. Wash thoroughly before Work/Hygienic Maintenance: eating and smoking. Do not blow dust off clothing or skin with compressed air. Ventilation: Provide sufficient ventilation to maintain concentration at or below

threshold limit.

8. Exp	osure Controls and Personal Protection
Permissible Exposure Limits: Threshold Limit Value:	N/A N/A
Threshold Limit value.	IV/A
Special Equipment:	None
Respiratory Protection:	Dust Respirator
Protective Gloves:	Rubber gloves
T. B. C. d.	Check gloves prior to each use
Eye Protection:	Safety glasses or goggles  Protective work elething. Ween close tood shees and long.
Body Protection:	Protective work clothing. Wear close-toed shoes and long sleeves/pants.
9. P	hysical and Chemical Characteristics
Color	Colorless
Form:	Powder, Pieces, Custom parts
Odor:	Odorless
Water Solubility:	Soluble
Boiling Point:	243 - 244 °C
Melting Point:	35 °C
Flash Point:	N/A
Autoignition Temperature:	N/A
Density:	1.321 g/cm <sup>3</sup>
Molecular weight:	88.06 g/mol
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents
Incompatible Conditions:	Heating
Hazardous Decomposition Products:	Carbon oxides
	11. Toxicological Information
Potential Health Effects:	
Eyes:	Causes serious eye irritation
Skin:	May cause irritation
Ingestion:	Harmful if swallowed
Inhalation:	May cause irritation
Chronic:	N/A
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A
Median Lethal Dose:	LD50 Oral- 2000 mg/kg for rat by mouth
Carcinogen:	N/A
	12. Ecological Information
Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	N/A
Very Persistent, Very Bioaccumulative:	N/A
Notes:	N/A

13. Disposal Considerations

Dispose of in accordance with local, state, national, and international regulations.

Hazardous:	Not hazardous for transportation	
Hazard Class:	N/A	
Packing Group:	N/A	
UN Number:	N/A	
Proper Shipping Name:	N/A	
	15. Regulatory Information	
Sec 302 Extremely Hazardous:	No	
Sec 304 Reportable Quantities:	N/A	
Sec 313 Toxic Chemicals:	No	

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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