

# LUCAS PRODUCTS CORPORATION

# SAFETY DATA SHEET

LPC 722 – Lucasol One Step Disinfectant

Date: 12-7-15

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Lucasol One Step Disinfectant

### Other Means of Identification

**Product Class** Quaternary Ammonium Chloride Compound  
**EPA Registration Number** 1839-79-3974  
**Canada DIN** 02399938  
**Product Code** LPC 722

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Disinfectant/Cleaner/Deodorizer/Mildewstat/Fungicide

### Details of the Supplier of the Safety Data Sheet

**Manufactured for Address** Lucas Products Corporation  
5655 Opportunity Drive  
Toledo, OH 43612

### Emergency Telephone Number

**Company Phone Number** (419) 476-5992  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute Toxicity, Oral	Category 4
Skin corrosion/ Irritation	Category 1 Sub-Category B
Serious eye damage/eye irritation	Category 1

### Signal Word

**DANGER**

### Hazard Statements

Causes severe skin burns and eye irritation.  
Harmful if swallowed.

### OSHA/HCS status:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Read complete product label.



**NOTE:** Pictograms **NOT** permitted on label. EPA Reg. Product  
See section 15 Regulatory Information

**Appearance** Clear

**Physical State** Liquid

**Odor** Virtually Odorless

**Precautionary Statements - Prevention**

Keep container tightly closed. No smoking. Use only with adequate ventilation. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective equipment as required.

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician

**IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Precautionary Statements - Storage**

Store locked up. Keep container tightly closed when not in use. Store in a cool, well ventilated place. Store away from incompatible materials. KEEP OUT OF REACH OF CHILDREN.

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with all regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Alkyl dimethyl ammonium chloride compound	68956-79-6	0 - 10
Sodium Carbonate	497-19-8	0 - 5
Alcohols Ethoxylated	68412-54-4	0 - 5

**4. FIRST AID MEASURES**

**First Aid Measures**

- Inhalation** Move to fresh air. If breathing is difficult give oxygen. If symptoms persist, call a physician.
- Eye Contact** Immediately flush with plenty of water. Remove contact lenses and continue flushing with water for 15 minutes. Call a physician immediately.
- Ingestion** Do NOT induce vomiting. Rinse mouth. Call a poison control center or doctor immediately for treatment advice. Never give anything by mouth to an unconscious person.
- Skin Contact** Take off contaminated clothing. Rinse skin with plenty of water for 15 minutes. Call a poison control center or doctor for treatment advice. .

**Indication of any Immediate Medical Attention and Special Treatment Needed**

Ingesting large amounts of this product may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

**Note to Physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water fog, foam, dry chemical powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

None known

### Specific Hazards Arising from the Chemical

Irritating and toxic gasses or fumes may be released during a fire. Use water spray to keep fire-exposed containers cool.

### Protective Equipment and Precautions for Firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

#### **Personal Precautions**

Immediately evacuate personnel to safe areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors.

### Methods and Material for Containment and Cleaning Up

#### **Methods for Containment**

Keep unnecessary and unprotected personnel away. Shut off all ignition sources. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

#### **Methods for Cleaning Up**

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into container for later disposal. Do not flush into surface water or sanitary sewer system. Dispose of the waste material according to local, state and government requirements. Following product recovery, flush area with water.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

#### **Advice on Safe Handling**

Protect material from direct sunlight. Do not breathe vapor. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Do not taste or swallow. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation or outdoors. Wash hands thoroughly after handling.

### Conditions for Safe Storage, Including any Incompatibilities

#### **Storage Conditions**

Store locked up. Keep containers tightly closed in a dry, cool and well ventilated place with a temperature not lower than 50°F or higher than 120°F. Store out of direct sunlight, and away from incompatible materials. .

#### **Incompatible Materials**

Incompatible with strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

No occupational exposure guidelines have been determined for this product.

**Appropriate Engineering Controls**

**Engineering Controls**                      Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower should be near workstation.

**Individual Protection Measures, such as Personal Protective Equipment**

Personal protective equipment should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Eye/Face Protection**                      Tight sealing safety goggles, face protection shield.

**Skin and Body Protection**                Wear protective gloves.

**Respiratory Protection**                    If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied respirators may be required for high airborne contaminant concentrations.

**General Hygiene Considerations**        When using this product do not eat, drink, or smoke. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Virtually Odorless
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	N/A
<b>Color</b>	Clear		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	10.5 – 11.5		
<b>Percent Volatiles</b>	99.0		Pensky-Martens Closed Cup
<b>VOC Content</b>	<1%		
<b>Specific Gravity</b>	1.008		1.007 (8.38 lb/gal)
<b>Water Solubility</b>	Complete		
<b>Evaporation Rate</b>	Estimated Slower than ethyl ether		
<b>Viscosity</b>	50 cps @ 25° C		

**10. STABILITY AND REACTIVITY**

**Chemical Stability**

Stable under normal use, storage and transport conditions.

**Possibility of Hazardous Reactions**

None under normal processing and storage.

**Conditions to Avoid**

Heat and strong oxidizing agents.

**Incompatible Materials**

Strong oxidizing agents, reducing agents.

**Hazardous Decomposition Products**

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

<b>Inhalation</b>	Not likely, due to the form of the product.
<b>Eye Contact</b>	Contact with eyes may cause serious eye damage.
<b>Skin Contact</b>	Contact may cause skin irritation.
<b>Ingestion</b>	Harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alkyl dimethyl ammonium chloride compound 68956-79-6	344 mg/kg (Rat)	>2000 mg/kg (Rabbit)	0.054 – 0.51 mg/l

### Information on Physical, Chemical and Toxicological Effects

<b>Symptoms</b>	Causes irritation to the eyes including redness, tearing and blurred vision.
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### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

<b>Carcinogenicity</b>	No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, OSHA, IARC or NTP.
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### Numerical Measures of Toxicity

<b>Unknown Acute Toxicity</b>	None known
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

### Persistence and Degradability

Readily biodegradable

### Bioaccumulation

Does not accumulate or bio-magnify in the environment.

### Other Adverse Effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal of Wastes</b>	Disposal of this product, solutions and any by-products must comply with the requirements of the EPA and regional local authority requirements.
<b>Containers</b>	Disposal should be in accordance with the requirements of the EPA and local laws and regulations.

## 14. TRANSPORT INFORMATION

### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### US – Ground Transportation: DOT

Not Regulated

**IATA** Not Regulated

**IMDG** Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories**                      **Listed Yes or No**

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(b) Inventory	Yes
<b>DSL</b>	Canadian Domestic Substances List	Yes
<b>NDSL</b>	Non-Domestic Substances List	No
<b>EINECS</b>	European Inventory of Existing Chemical Substances	Yes
<b>ELINCS</b>	European List of Notified Chemical Substances	Yes
<b>ENCS</b>	Japan Existing and New Chemical Substances	Yes
<b>IECSC</b>	China Inventory of Existing Chemical Substances	Yes
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances	Yes
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances	Yes
<b>New Zealand</b>	New Zealand Inventory	Yes

**US Federal Regulations**

This product is a pesticide registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

**EPA Registration Number**                      1839-79-3974

**SARA 313**    Not regulated

**US State Regulations**                      No ingredients listed

**California Proposition 65**                      No ingredients listed

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	
	3	0	0	
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Reactivity:</b>	<b>Personal Protection</b>
	3	0	0	B

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**