

# Safety Data Sheet (SDS)

## Section 1: Chemical Product and Company Identification

**Cat# :** 8801

**Part Name:** LopHene Germicidal Detergent

**EPA Registration #:** 211-62-56753

**Supplier: Decon Laboratories Inc.**

460 Glennie Circle King of Prussia, Pa 19406  
SDS Telephone # (610) 755-0800

### Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

**Identified uses:** Laboratory use ( disinfectant)

Email Contact: [cveloski@deconlabs.com](mailto:cveloski@deconlabs.com)

## Section 2: Hazards Identification:

### Hazard Overview

### GHS Classification

Acute Toxicity – inhalation (Vapors)

Skin corrosion/irritation

Serious eye damage/eye irritation

Flammable Liquids

Category 4

Category 1; Sub-category C

Category 1

Category 3

**Signal Word: DANGER**



### Hazard and Precautionary Statements

Harmful if inhaled

Causes severe skin burns and eye damage

Flammable liquid and vapor

### Precautionary Statements - Prevention

Use only outdoors or in a well-ventilated area

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Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge

## Precautionary Statements - Response

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  
Call a poison center or doctor/physician if you feel unwell  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

## Precautionary Statements - Storage

Store locked up – KEEP OUT OF REACH OF CHILDREN  
Store in a well-ventilated place

## Precautionary Statements - Disposal

Clean container promptly after emptying.  
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

## Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

## Other Hazards

Toxic to aquatic life with long lasting effects  
Toxic to aquatic life

## Hazard Ratings:

If no data is listed the information is not available

## HMIS Rating

Health 3      Flammability 1      Reactivity 2      Personal Protection B

## NFPA Ratings

Health 3      Flammability 2      Reactivity 0

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## Section 3: Composition/ Information on ingredients

Chemical Name	CAS No	Weight-%
Hexylene glycol	107-41-5	10-20
Citric Acid	77-92-9	10-20
Isopropyl alcohol	67-63-0	10-20
O-phenylphenol	90-43-7	1-10
Ortho-benzyl-para-Chlorophenol	120-32-1	1-10
Dodecyl benzene sulfonic acid	27176-87-0	<5

## Section 4: First Aid Measures

### First Aid Measures

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical advice/attention.

**Skin Contact** Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.

**Inhalation** Remove to fresh air. Call a physician if you feel unwell.

**Ingestion** Dilute by giving a large amount of water. Do not induce vomiting without medical advice. Call a poison center or doctor/physician if you feel unwell.

### Most important symptoms and effects

**Symptoms** May cause eye burns and permanent eye damage. Contact with skin causes severe irritation and possible burns. If swallowed: Drowsiness, irregular pulse, loss of consciousness. Possible gastrointestinal irritation or disturbance such as cramps and stomach pains. If spray mist is inhaled, possible lung damage, irritation and/or burning sensation.

### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

## Section 5: Fire-Fighting Measures

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO<sub>2</sub>).

Water. Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Combustion products may be toxic.

**Hazardous Combustion Products** Phenolic compounds. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Chlorine gas.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

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## Section 6: Accidental Release measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Small spills (less than 1 gallon) may be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system.

Large spills (more than 1 gallon) should be contained and collected (by absorption [sand, clay, or other absorbent material] or vacuuming) then disposed of properly.

## Section 7: Handling and Storage

### Precautions for safe handling

**Advice on Safe Handling** Use only in well-ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use personal protection recommended in Section 8.

### **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not contaminate food or feed stuffs. Do not reuse container. Keep out of the reach of children.

**Incompatible Materials** Strong oxidizing agents.

## Section 8: Exposure Controls/ Personal Protection

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NOISH IDLH
Hexylene glycol 107-41-5	Ceiling: 25ppm	(vacated) Ceiling: 25ppm (vacated) Ceiling: 125mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup>
Citric Acid 77-92-9	-	15 mg/m <sup>3</sup> (Total)	-
Isopropyl Alcohol	STEL: 400 ppm	TWA: 400 ppm	DLH: 200ppm

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	TWA: 200 ppm	TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Triethanolamine 102-71-6	TWA: 5mg/m <sup>3</sup>	-	-

## Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.  
Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Use Safety Glasses when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.

**Skin and Body Protection** Gloves are required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves.

**Respiratory Protection** General ventilation is normally adequate. Use appropriate respiratory protection if application method produces a fine spray or mists.

**General Hygiene Considerations** Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing. Keep away from food and drink.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b> Slight alcohol
<b>Appearance</b>	Clear, light amber liquid	<b>Odor Threshold</b> Not determined
<b>Color</b>	Light amber	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	1.50-2.50 (concentrate) 3.00-4.50 (1:256 dilution)	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	100 °C / 212 °F	
<b>Flash Point</b>	41.7 °C / 107 °F	SETA
<b>Evaporation Rate</b>	Not established	
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not established	
<b>Vapor Density</b>	Not established	
<b>Specific Gravity</b>	1.082-1.102	
<b>Water Solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	

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<b>Partition Coefficient</b>	Not determined
<b>Autoignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## Section 10: Stability and Reactivity:

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### Conditions to Avoid

Avoid high temperatures. Heat, flames and sparks.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Combustion products may include phenolics, carbon monoxide, carbon dioxide, and chlorine.

## Section 11: Toxicological Information

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Causes severe eye damage.

**Skin Contact** Causes severe skin burns.

**Inhalation** Harmful if inhaled.

**Ingestion** May be harmful if swallowed

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hexylene glycol 107-41-5	=3692 mg/kg (Rat)	=8560 µL/kg (Rabbit)	>310mg/m <sup>3</sup> (Rat) 1hr
Citric Acid 77-92-9	= 3000 mg/kg ( Rat )	-	-
Isopropyl alcohol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit )	= 72.6 mg/L ( Rat ) 4 h
O-phenylphenol	=1049 mg/kg (Rat)	>2000 mg/kg (Rat)	>0.949 mg/L (Rat 1 h)

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Ortho-benzyl-para-Chlorophenol 120-32-1	=1700 mg/kg (Rat)	-	-
Dodecyl benzene sulfonic acid 27176-87-0	=500 mg/kg (Rat)	-	-
Triethanolamine 102-71-6	=4190 mg/kg (Rat)	>2000 mb/kg (Rabbit) 16mL/kg (Rat)	-

## Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0		Group 3		X
O-phenylphenol 90-43-7		Group 3		

## Legend

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

## Numerical measures of toxicity

Not determined

## Section 12: Ecological Information

### Ecotoxicity

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hexylene glycol 107-41-5		10500-11000: 96h Pimephales promelas mg/L LC50 flow-through 10000: 96h Lepomis macrochirus mg/L LC50 static 8690: 96h Pimephales promelas mg/L LC50 flow through 10700: 96h Pimephales	EC50=3038 mg/L 5 min	2700-3700; 48h Daphnia magna mg/L EC50

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		promelas mg/L LC50 static		
Citric Acid 77-92-9		1516: 96h Lepomis macrochirus mg/L LC50 static		120: 72h Daphnia magna mg/L EC50
Isopropyl Alcohol 67-63-0	1000: 96h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50		13299: 48 h Daphnia magna mg/L EC50
O-phenylphenol 90-43-7	0.85: 72 h Desmodesmus subspicatus mg/L EC50	3.4: 96 h Pimephales promelas mg/L LC50 flowthrough 2.74: 96 h Lepomis macrochirus mg/L LC50 2.75: 96 h Oncorhynchus mykiss mg/L LC50 5.8: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 2.05 mg/L 5 min	1 - 2.5: 48 h Daphnia magna mg/L EC50 Static
Dodecyl benzene sulfonic acid 27176-87-0	29: 96 h Pseudokirchneriella subcapitata mg/L EC50	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static 3.5 - 10: 96 h Brachydanio rerio mg/L LC50 static		5.88: 48 h Daphnia magna mg/L EC50
Triethanolamine 102-71-6	216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50	10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through 1000: 96 h Pimephales promelas mg/L LC50 static 450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static		1386: 24 h Daphnia magna mg/L EC50

## **Persistence/Degradability**

Not determined

## **Bioaccumulation**

Not determined

## **Mobility**

Chemical Name	Partition Coefficient
Hexylene glycol 107-41-5	0.14
Citric Acid	-1.72



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77-92-9	
Isopropyl Alcohol 67-63-0	0.05
O-phenylphenol 90-43-7	3.18

**Other Adverse Effects**

Not determined

## Section 13: Disposal Considerations

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic Ignitable

## Section 14: Transportation Information

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

**DOT**

**UN/ID No** UN2924  
**Proper Shipping Name** Flammable liquid, corrosive, n.o.s. (Isopropanol, Citric acid)  
**Hazard Class** 3  
**Subsidiary Hazard Class** 8  
**Packing Group** III

**IATA**

**UN/ID No** UN2924  
**Proper Shipping Name** Flammable liquid, corrosive, n.o.s. (Isopropanol, Citric acid)  
**Hazard Class** 3  
**Subsidiary Hazard Class** 8  
**Packing Group** III

**IMDG**

**UN/ID No** UN2924  
**Proper Shipping Name** Flammable liquid, corrosive, n.o.s. (Isopropanol, Citric acid)  
**Hazard Class** 3  
**Subsidiary Hazard Class** 8  
**Packing Group** III

## Section 15: Regulatory Information

**International Inventories**

Not determined

**US Federal Regulations**

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## **CERCLA**

Chemical Name	Hazardous Substances RQs	Cercla/Sara RQ	Reportable Quantity (RQ)
Dodecyl benzene sulfonic acid 27176-87-0	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

## **SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313-Threshold Values %
Isopropyl Alcohol – 67-63-0	67-63-0	10-20	1.0
O-phenylphenol - -0-43-7	90-43-7	1-10	1.0
Ortho-benqyl-para-chlorophenol-120-32-1	120-32-1	1-10	0.1

## **CWA (Clean Water Act)**

Component	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Ortho-benzyl-para-chlorophenol 120-32-1 (1-10)		X		
Dodecyl benzene sulfonic acid 27176-87-0 (<5)	1000 lb			X

## **US State Regulations**

This product is a U.S. EPA Registered pesticide, EPA Reg. No. 211-62-56753, and is subject to specific labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products.

## **US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including 2-Phenyl Phenol which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hexylene glycol 107-41-5	X	X	X
Isopropyl Alcohol 67-63-0	X	X	X
O-phenylphenol 90-43-7	X	X	X
Ortho-benzyl-para-chlorophenol 120-32-1	X		X

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Dodecyl benzene sulfonic acid 27176-87-0	X	X	X
Triethanolamine 102-71-6	X	X	X

## Section 16: Other Information

Date of Issue: 08/01/1998

Date of Revision: 05/01/2018

Decon Laboratories, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Decon Laboratories, Inc. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, Decon Laboratories, Inc. will not be responsible for damages resulting from the use of or reliance upon this information.

**End of Safety Data Sheet**