

1. IDENTIFICATIONProduct Identifier:Product Name: **Larklean Disinfectant**Other Identification

Registration Number(s): 34810-31-102258 (EPA)

Recommended Use of the Chemical & Restrictions on Use

Recommended Use: Hard Surface Disinfectant Cleaner. This product is solely intended to be diluted prior to use according to label.

Uses Advised Against: Do not mix with other chemicals.

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral	Not orally toxic Oral LD50 (rat) > 5 g/kg body weight
Acute Toxicity: Dermal	Not dermally toxic Dermal LD50 (rabbit) > 5 g/kg body weight
Acute Toxicity: Inhalation (Dusts/Mists)	Not Classified
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Skin Sensitization	Not Classified

Label Elements**Emergency Overview:**

WARNING: Causes serious eye irritation. Causes skin irritation.
Appearance: Clear to light yellow liquid

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Hexylene Glycol	107-41-5	10-30

Ortho-benzyl-para-chlorophenol	120-32-1	1-5
O-phenylphenol	90-43-7	1-5
Isopropyl Alcohol	67-63-0	1-5

4. FIRST AID MEASURES

Description of First Aid Measures:

Eye Contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
Skin Contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told by a Poison Control Center or doctor.
Self-Protection of the First Aider	Avoid contact with skin, eyes or clothing.

Indication of any immediate medical attention & special treatment needed.

Note to Physicians: Treat symptomatically.

5. FIRE- FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Protective Equipment & Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) & full protective gear.

5. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment & Emergency Procedures

Personal Precautions: Avoid contact with eyes & skin. Use personal protective equipment as required.

Environmental Precautions**Environmental Precautions** See Section 12 for additional ecological information.**Methods & Material for Containment & Cleaning Up****Methods for Containment** Prevent further leakage or spillage if safe to do so.**Methods for Cleaning Up** Pickup & transfer to properly labeled containers.**7. HANDLING & STORAGE****Precautions for Safe Handling****Advice on Safe Handling** Handle in accordance with good industrial hygiene & safety practice.**Conditions for Safe Storage, Including any Incompatibilities****Storage Conditions** Do not contaminate water, food, or feed by storage or disposal. Keep upright with cap tightly closed. Store in original container in areas inaccessible to children.**Incompatible Materials** Strong Oxidizing agents**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hexylene Glycol 107-41-5	Ceiling: 25 ppm	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m3	Ceiling: 25 ppm Ceiling: 125 mg/m3
Isopropyl Alcohol	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m3	IDLH:2000 ppm TWA: 400 ppm TWA: 980 mg/m3 STEL: 500 ppm STEL: 1225 mg/m3

Appropriate Engineering Controls**Engineering Controls** None under normal use conditions**Individual Protection Measures, Such as Personal Protective Equipment**

Eye/Face Protection	Safety glasses or goggles when handling the concentrate.
Skin & Body Protection	Protective gloves when handling the concentrate.
Respiratory Protection	No protective equipment is needed under normal use conditions.
General Hygiene Considerations	Handle in accordance with good industrial hygiene & safety practice.

9. PHYSICAL & CHEMICAL PROPERTIES

pH	2.05-2.4	Odor	Light Citrus
Physical State	Liquid	Odor Threshold	No information available
Appearance	Clear to light yellow liquid	Specific Gravity	1.052
Color	Clear to light yellow	Water Solubility	Completely Soluble
Melting/Freezing Point	No information available	Solubility in other solvents	No information available
Boiling Point/Boiling Range	No information available	Viscosity	No information available
Flash Point	None to boiling	Partition Coefficient	No information available
Evaporation Rate	No information available	Autoignition Temperature	No information available
Vapor Pressure	No information available	Decomposition Temperature	No information available
Vapor Density	No information available	VOC Content (%)	No information available

10. STABILITY & REACTIVITY

Reactivity

No information available

Chemical Stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation No known effect,
Eye Contact Moderately irritating to the eyes.
Skin Contact Irritating to skin. Avoid contact with skin.
Ingestion Harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
O-phenylphenol 90-43-7	= 1049 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 0.949 mg/L (Rat) 1 h
Isopropyl Alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rabbit)	=16000 ppm (Rat) 8 h

Information on Toxicological Effects

Symptoms No information available.

Delayed & Immediate Effects as well as Chronic Effects from Short & Long-Term

Exposure:

Skin Corrosion/Irritation: No information available.
Serious Eye Damage/Eye Irritation Irritating to eyes.
Irritation Irritating to skin & eyes.
Sensitization Not a skin sensitizer.
Germ Cell Mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
O-phenylphenol 90-43-7	-	Group 3	-	-
Isopropyl alcohol 67-63-0	-	Group 1 Group 3	-	X

Reproductive Toxicity No information available.
STOT - Single Exposure No information available
STOT- Repeated Exposure No information available
Aspiration Hazard No information available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available.

Persistence & Degradability

No information available

Bioaccumulation

No information available

Chemical Name	Partition Coefficient
O-phenylphenol 90-43-7	3.18
Isopropyl alcohol 67-63-0	0.05

Other Adverse Effects

No information available

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 Do not reuse concentrate container.

Chemical Name	RCRA	RCRA- Basis for Listing	RCRA- D Series Wastes	RCRA- U Series Wastes
O-phenylphenol 90-43-7	-	Included in waste stream: K060	-	-

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

14. TRANSPORT INFORMATION

DOT	Not regulated.
TDG	Not regulated.
MEX	Not regulated.
ICAO (air)	Not regulated.
IATA	Not regulated.

IMDG	Not regulated.
RID	Not regulated.
ADR	Not regulated.
ADN	Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
IECSC	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA- United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL- Canadian Domestic Substances Control Act Section 8(b) Inventory.

IECSC - China Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals & Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986 (SARA).

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 & 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Orthophenylphenol - 90-43-7

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number: 34810-31-102258 (EPA)

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVIISON

<u>NFPA</u>	Health Hazards 2	Flammability 0	Instability 0	
<u>HMIS</u>	Health Hazards 2	Flammability 0	Physical Hazards 0	Personal Protection B

Issue Date: 10.15.2022

Revision Date: -

Disclaimer:

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information & belief at the date of its publication. The information given is designed only as a 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 & 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