

Issue Date 16-AUG -2022

Revision Date 16-AUG-2022



HMIS	
Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	B

1. IDENTIFICATION

Product identifier

Product Name Lucas-Cide TB

Other means of identification

Product Code 2110-00, 2110-01, WP-01
Document 2110-00
Registration Number(s) EPA Registration Number 34810-31-3974

Recommended use of the chemical and restrictions on use

Recommended Use Hard surface disinfectant cleaner. This product is intended to be diluted prior to use.
Uses advised against Do not mix with other chemicals

Details of the supplier of the safety data sheet

Supplier Address

Lucas Products
 1101 Pelee st
 Toledo, Ohio 43607

Manufacturer Address

Lucas Products
 1101 Pelee st
 Toledo, Ohio 43607

Emergency telephone number

Company Phone Number 419-476-5992
24 Hour Emergency Phone Number Chemtrec 800-429-9300
Emergency Telephone Chemtrec 24-Hour U.S. Number: (800) 424-9300

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

Signal Word: **WARNING**

Precautionary Statements:

Causes serious eye irritation. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling the concentrate. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, smoking tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

Hazards not otherwise classified: No information available

Appearance: Clear to light yellow liquid

Physical state: Liquid

Odor: Nectar

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

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 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.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of any immediate medical attention and 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 and precautions for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes and skin. Use personal protective equipment as required.

Environmental precautions

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 cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and 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/m ³	Ceiling: 25 ppm Ceiling: 125 mg/m ³
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

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 and 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 and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Odor	Fresh
Color	Clear to light yellow	Odor threshold	No information available
pH	2.05 – 2.4	Specific Gravity	1.052
Melting point/freezing point	No information available	Water solubility	Completely soluble
Boiling point / boiling range	No information available	Solubility in other solvents	No information available
Flash point	None to boiling	Viscosity	No information available
Evaporation rate	No information available	Partition coefficient	No information available
Vapor pressure	No information available	Autoignition temperature	No information available
Vapor density	No information available	Decomposition temperature	No information available

Flammability (solid, gas): No information available
Upper explosive limit: No information available
Lower explosive limit: No information available

Other Information

VOC Content (%) No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature

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

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	Irritating to eyes.
Irritation	Irritating to eyes and skin.
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 and 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 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 List/Non-Domestic Substances List
 IECSC - China Inventory of Existing Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and 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 and 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 and Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals
 Ortho-phenylphenol – 90-43-7

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number: 34810-31-3974

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

<u>NFPA</u>	Health hazards 2	Flammability 0	Instability 0	
<u>HMIS</u>	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection B

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Disclaimer

The information provided in this Material 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 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 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