

Material Safety Data Sheet

(MSDS)

Date of Issue: 08/01/1998

Date of Revision: 08/05/2005

SECTION 1 - MANUFACTURER INFORMATION

| | | |
|----------------------------------|---|--|
| Manufacturer Name: | Decon Laboratories, Inc. | |
| Trade Name: | LopHene® Low pH Germicidal Detergent | Emergency Telephone U.S.: (800) 424-9300 Canada: (703) 527-3887 |
| Chemical Name or Synonym: | N/A | Info Telephone: 610-755-0800 |
| Mfg. Address: | 460 Glennie Circle | |
| City: | King of Prussia | State, Zip: PA 19406 |

SECTION II - HAZARDOUS INGREDIENTS

| CAS # | Chemical Name | Percent | OSHA PEL | ACGIH-TLV | Other Limits |
|------------|--------------------------------------|---------|----------|-----------|--------------|
| 90-43-7 | 2-Phenylphenol | 8.25 | N/E | N/E | N/E |
| 120-32-1 | Orthobenzyl-Benzyl-Para-Chlorophenol | 7.00 | N/E | N/E | N/E |
| 67-63-0 | Isopropanol | <10.0 | 1000 ppm | 400 ppm | 400 ppm |
| 27176-87-0 | Dodecylbenzenesulfonic Acid | <15 | N/E | N/E | N/E |
| 107-41-5 | Hexylene Glycol | <20 | 25 ppm | 25 ppm | 25 ppm |

Additional Information:

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200)

SECTION III - PHYSICAL DATA

| | | | |
|---------------------------------|---|---------------------------------|----------------|
| Boiling Point (°F): | 212°F | Specific Gravity @ 25°C: | 1.082 to 1.102 |
| Pressure (mm of Hg): | N/E | pH (Concentrate): | 1.50 to 2.50 |
| Vapor Density (air = 1): | N/E | pH (Diluted): | 3.00 to 4.50 |
| Solubility: | Complete | Evaporation Rate: | N/E |
| Appearance and Odor: | Clear light amber liquid (that may darken with age) with a slight alcohol odor. | Melting Point: | N/E |

SECTION IV - FIRE AND EXPLOSION DATA

| | | | | | |
|--|---|-------------------------|-------------------------------------|-------------|-----|
| Flash Points: | 107 ⁰ F. | LEL: | N/E | UEL: | N/E |
| Extinguishing Media: | In case of fire, use water spray, CO ₂ , Dry Chemical or Foam. | | | | |
| Special Procedures: | Use water spray to cool fire-exposed containers and to protect personnel. | | | | |
| HMS RATING FOR CONCENTRATE: | HEALTH (3) | FLAMMABILITY (2) | REACTIVITY (0) Pers. Prot. B | | |
| HMS RATING FOR 1:256 DILUTION: | HEALTH (1) | FLAMMABILITY (0) | REACTIVITY (0) Pers. Prot. B | | |
| NFPA RATING FOR CONCENTRATE: | HEALTH (3) | FLAMMABILITY (2) | REACTIVITY (0) Pers. Prot. B | | |
| NFPA RATING FOR 1:256 DILUTION: | HEALTH (1) | FLAMMABILITY (0) | REACTIVITY (0) Pers. Prot. B | | |

LopHene® Low pH Germicidal Detergent

SECTION V - HEALTH HAZARD DATA

Route(s) of Entry: Eyes: Yes. Skin: Yes. Ingestion: Yes. Inhalation: Yes.

Health Hazards (Acute and Chronic): Corrosive, will cause severe eye and skin.

Harmful or fatal if swallowed. Corrosive to lungs.

Signs and Symptoms of Exposure: If in eyes: Burning sensation, watering, or redness.

If on skin: Redness, irritation or burning sensation with prolonged exposure.

If spray mist is inhaled: Lung irritation and/or burning sensation.

If swallowed: Drowsiness, irregular pulse, loss of consciousness.

Medical Conditions Generally Aggravated by Exposure: None known.

CHRONIC HEALTH EFFECTS / SYMPTOMS: None known.

| | | | | |
|------------------------------|---------|----------|---------|-----------|
| Carcinogenicity Data: | NTP: No | IARC: No | OSHA: N | OTHER: No |
|------------------------------|---------|----------|---------|-----------|

First Aid

Eyes: Flush eyes immediately with water for 15 minutes.

Clothes: Wash before reuse.

Skin: Wash liberally with soap and water.

Inhalation: Remove immediately to fresh air.

Ingestion: Dilute by drinking large quantities of water. Do not induce vomiting without medical advice. Always get medical attention when product is swallowed or when symptoms are significant or persist.

SECTION VI - REACTIVITY DATA

Stability: Stable

Incompatibility (Materials or conditions to avoid): Extreme high temperatures or open flame.

Hazardous Decomposition or Byproducts: None known.

Hazardous Polymerization: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

Spill Procedures: Small spills (less than 1 gal.) may be diluted with water and washed down a drain or cleaned up and disposed of into a sanitary sewer system. Large spills (more than 1 gal.) should be contained and collected (by absorption or vacuuming) then disposed of properly.

Waste Disposal Procedures: Dispose of product by using in accordance with label directions or in accordance with local, state and federal regulations. This product is NOT considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory: General ventilation is normally adequate. Protect breathing system with an appropriate respirator if spraying causes exposure to mists.

Eyes: Use safety glasses or goggles when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.

Protective Gloves: 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.

Other Protective Clothing: Not normally necessary for routine handling.

Ventilation: Local exhaust - normally sufficient. Mechanical (General) - not normally needed.

Work/Hygienic Practices: Wash hands after using. Do not get in eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

SECTION IX - ADDITIONAL INFORMATION

Safe Handling and Storage: KEEP OUT OF REACH OF CHILDREN. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed.

SECTION X - TRANSPORTATION INFORMATION

DOT Hazard Class: Shipping by ground: ORM-D Consumer Commodity

Shipping by boat: Flammable Liquid, Corrosive NOS (Isopropanol, Citric Acid) Class 3, UN 2924, PG III