

# SAFETY DATA SHEET

Revision Date: January 15, 2014

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## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Name:** LD 50

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

**Recommended Use:** Institutional Liquid Detergent for Hand Washing of Dishes, Glassware, Pots & Pans, and Utensils

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

**Supplier Address:** Luseaux Laboratories, Inc. Luseaux Laboratories Inc.  
4625 N Santa Fe Drive or 16816 Gramercy Place  
Kingman, AZ 86401 Gardena, CA 90247

### Emergency Telephone Number

**Company Phone Number:** Arizona Location: 928-692-0192  
California Location: 310-324-1555

**Emergency Telephone:** CHEMTREC: 1-800-424-9300

## SECTION 2: HAZARDS IDENTIFICATION

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Appearance:** Amber Colored Liquid

**Physical State:** Liquid

**Odor:** Floral

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium dodecyl benzene sulfonate	25155-30-0	Not identified*

\*The specific percentages are not identified due to "Trade Secret" status. In emergency situations, further information may be obtained by calling the emergency information number listed above. Reference 29 CFR 1910.1200

## 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. If eye irritation persists: Get medical advice/attention.

**Skin Contact** For prolonged skin contact, flush thoroughly with water and then apply hand lotion to restore natural skin oil. If symptoms persist, seek medical attention.

**Inhalation** No known hazardous effects. If symptoms occur, remove to fresh air.

**Ingestion** Clean mouth with water and drink, afterwards, plenty of water.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms** Direct eye contact may cause stinging, tearing and redness. Contact may cause irritation and redness. Nausea. Abdominal discomfort. May cause diarrhea.

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

**Note to Physicians** Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

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

**Unsuitable Extinguishing Media:** Not determined.

**Specific Hazards Arising from the Chemical**

This material will make floors slippery when wet.

**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.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions:** Use personal protection recommended in Section 8. Wet floors will be very slippery.

**Environmental Precautions** Prevent run off to storm sewers and ditches leading to natural waterways.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Dike and contain spill.

**Methods for Cleaning Up:** Wash small spills to sanitary sewer. Recover free liquid. Absorb with inert material, and then place in suitable container for chemical waste.

**SECTION 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 and Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from food stuffs.

**Incompatible Materials:** None known.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Exposure Guidelines**

No occupational exposure limits determined

**Appropriate Engineering Controls**

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

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

**Eye/Face Protection:** Risk of contact: Wear approved safety goggles.

**Skin and Body Protection:** Rubber or vinyl gloves for sensitive individuals.

**Respiratory Protection:** No protective equipment is needed under normal use conditions.

**General Hygiene Considerations:** Wash and dry hands thoroughly and apply hand lotion to restore skin oils.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**
**Information and Basic Physical and Chemical Properties**

**Physical State:** Liquid

**Odor:** Floral

**Appearance:** Amber colored liquid

**Color:** Amber

**Odor Threshold:** Not determined

PROPERTY	VALUE	PROPERTY	VALUE
pH – 1% solution	6.0 to 7.0	Melting/freezing point	Unknown
Boiling point	106.7°C/224°F	Flash Point	Not flammable
Evaporation rate	unknown	Flammability	Not flammable
Flammability limits/air	Not applicable	Vapor pressure	13 mg Hg @ 20°C (68°F)
Vapor density	0.62 (air = 1)	Specific gravity	1.05
Water solubility	Soluble in all portions	Solubility in other solvents	Not determined
Partition coefficient	Not determined	Auto-ignition temp	Not determined
Decomposition temp	Not determined	Kinematic viscosity	Not determined
Dynamic viscosity	Not determined	Explosive properties	Not determined
Oxidizing properties	Not determined	Bulk density	Not applicable

<b>SECTION 10: STABILITY AND REACTIVITY</b>
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**Reactivity**

Not reactive under normal conditions

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing. Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

None known

**Hazardous Decomposition Products**

None known

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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**Information on Likely Routes of Exposure****Product Information**

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Not a primary skin irritant.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Ingestion</b>	Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret*	= 1600 mg/kg (Rat)	-	-
Sodium dodecyl benzene sulfonate 25155-30-0	= 438 mg/kg (Rat)	-	-
Trade Secret*	> 2000 mg/kg (Rat)		

\*The specific components are not identified due to "Trade Secret" status. In emergency situations, further information may be obtained by calling the emergency information number listed above.

**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** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, Or NTP.

**Numerical Measures of Toxicity-Product**

Not determined

<b>SECTION 12: ECOLOGICAL INFORMATION</b>
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**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium dodecyl benzene sulphonate; 25155-30-0		10.8: 96 h Oncorhynchus mykiss mg/L LC50 static		

**Persistence and Degradability** Not determined

**Bioaccumulation** Not determined

**Mobility** Not determined

**Other Adverse Effects** Not determined

<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>
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**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.

<b>SECTION 14: TRANSPORT INFORMATION</b>
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**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

<b>SECTION 15: REGULATORY INFORMATION</b>
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**International Inventories****Legend:**

**TCSA** – United States Toxic Substances Act Section 8(b) inventory

**DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** – Japan Existing and New Chemical Substances

**IECSC** – China Inventory of Existing Chemical Substances

**KECL** – Korean Existing and Evaluated Chemical Substances

**PICCS** – Philippines Inventory of Chemicals and Chemical Substances

**US Federal Regulations****SARA 313**

Not determined

**CWA (Clean Water Act)**

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Sodium dodecyl benzene sulphonate; 25155-30-0	1000 lb			X

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium dodecyl benzene sulphonate; 25155-30-0	1000 lb		RQ 1000 lb final RQ RQ 454 Kg final RQ

**US State Regulations**

Calif. Prop. 65 Warning: This product may contain a trace amount of one or more of the chemicals on the California list of known carcinogens or substances known to cause birth defects or other reproductive harm. These are not added to the product but occur naturally in the raw materials or processing equipment.

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

Sodium dodecyl benzene

sulfonate; 25155-30-0

New Jersey, Massachusetts, Pennsylvania

<b>SECTION 16: OTHER INFORMATION</b>
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<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	0	0	None
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	Not determined	Not determined	Not determined	Not determined

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information 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