

SAFETY DATA SHEET

Revision Date: June 11, 2015

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SECTION 1: IDENTIFICATION

Product Identifier

Product Name: LAS 85

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Sodium dodecylbenzenesulfonate surfactant

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

Appearance: Cream colored free-flowing flake/powder Physical State: Solid Odor: Mild

Classification

Serious eye damage/eye irritation	Category 2
Causes skin irritation	Category 2
Causes eye, nose, and throat irritation	Category 2



Signal Word

Warning

Hazard Statements

Exposure to powder or dusts may be irritating to eyes, nose and throat. Causes serious eye damage. Causes skin irritation. May form combustible dust concentrations in air.

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse

IF INHALED: Remove victim to fresh air. Get medical advice/attention if symptoms persist.

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed. Dust accumulation from this product may present an explosion hazard in the presence of an ignition source.

Other Information

Harmful to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name	CAS No	Weight-%
Sodium dodecyl benzene sulfonate	25155-30-0	85 - 88
Sodium sulfate	7757-82-6	Not identified*
Sodium chloride	7647-14-5	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

Inhalation	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Eye Contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical attention immediately.
Ingestion	Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center.
Skin Contact	Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms Dust may irritate the eyes and respiratory system.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES
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Suitable Extinguishing Media

Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Apply extinguishing media carefully to avoid creating airborne dust.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical

Dust accumulation from this product may present an explosion hazard in the presence of an ignition source. Fire hazard. Class II Dust for National Electric Code (NFPA 70). Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

Protective Equipment and Precautions for Firefighters

In case of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk. Cool containers exposed to flame with water until well after the fire is out.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures**

Personal Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of this SDS.

Environmental Precautions: Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Collect spillage. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air). If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the products. Prevent entry into waterways, sewer, basements or confined areas.

Methods for Cleaning Up: Minimize dust generation and accumulation. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Ground/bond container and receiving equipment. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid breathing dust. Do not get this material on clothing. Wear positive pressure self-contained breathing apparatus (SCBA). Wear personal protective equipment. Wash thoroughly after handling. Avoid release to the environment.

Storage

Store in a closed container away from incompatible materials. Store in a well-ventilated place. Keep container dry. Store away from incompatible materials (see Section 10 of the SDS). Guard against dust accumulation of this material. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Incompatible Materials: Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. Eye wash facilities and emergency shower must be available when handling this product.

Individual Protections Measures, such as Personal Protective Equipment

General: Use personal protective equipment as required

Eye/Face Protection: Wear eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield. Use tight fitting goggles if dust is generated.

Skin Protection: Wear appropriate chemical resistant clothing. Wear protective gloves.

Respiratory Protection: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume.

General Hygiene: When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothes and protective equipment to remove contaminants.

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

Physical State: Solid

Odor: Mild

Appearance: Dry free-flowing flake/powder

Color: Cream

Property	Value	Property	Value
pH – 1% solution	6.5 to 8.5	Melting/freezing point	> 572° F (> 300° C)
Boiling point	Not applicable	Flash point	> 201° F (> 93.9° C)
Evaporation rate	Not applicable	Flammability	Not determined
Flammability limits/ air	Not applicable	Vapor pressure	Not applicable
Vapor density	Not applicable	Specific gravity	Not applicable
Water solubility	Soluble	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	Approx: 0.432 g/ml
Odor Threshold	Not determined		

SECTION 10: STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

Conditions to Avoid

Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point, contact with incompatible materials. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air). Minimize dust generation and accumulation.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

LAS 85: Acute Dermal LD50 Rabbit: > 2000 mg/kg. Acute Oral LD50 Rat: 1080 – 1980 mg/kg.

Sensitization:	Not classified.
Acute Effects:	Harmful if swallowed. May be harmful in contact with skin.
Local Effects:	Harmful if swallowed. Inhalation of dusts may cause respiratory irritation.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NYP, or OSHA.
Skin corrosion/ Irritation:	Causes skin irritation.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Effects:	This product is not expected to cause reproductive or developmental effects.

SECTION 12: ECOLOGICAL INFORMATION

Las 85: EC50 Algae: 29 mg/l 72 hours; EC50 Daphnia: 1.62 – 9.3 mg/l 48 hours; LC50 Fish: 3 mg/l 96 hours.

Ecotoxicity:	Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence/ Degradability:	Expected to be readily biodegradable.
Bioaccumulation/ Accumulation:	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

Inventory Status

Legend:

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

US Federal Regulations

SARA 311/312 Hazard Categories

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Sodium dodecyl benzene sulphonate; 25155-30-0	1000 lb			X
Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)	
Sodium dodecyl benzene sulphonate; 25155-30-0	1000 lb	X	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.

SECTION 16: OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	1	0	None
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	1	0	X

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