



LABS 100N

SAFETY DATA SHEET

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SDS#: 1036

Review/Revision Date: 06/01/15

SECTION 1 - General Information And Chemical Product Identification

Trade Name: LABS 100N

CAS #: 27176-87-0

Chemical Name: Dodecyl Benzenesulfonic acid; Bensenesulfonic Acid, Dodecyl Ester

Product Code:
LABS100N

Application/Uses/ Heavy and light-duty washing powders, scoring powders, industrial cleaners and general purpose cleaning powders

Restrictions For industrial use only

Distributor Information LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730, Phone: (732) 888 8000
Fax: (732) 264 2751 * email: info@lidochem.com

Emergency phone #: CHEMTREC - Day or Night - at 800 424 9300

SECTION 2 - Hazard(s) Identification

Classification of the substance or mixture (GHS-US)

Acute toxicity, Oral (Cat 4),
H302 Skin corrosion (Cat 1C), H314
Serious eye damage (Cat 1), H318
Hazardous to the aquatic environment Long term (Cat 3)

Physical Hazards

May be corrosive to metals

Hazard Statement

Harmful if swallowed

Causes severe skin burns and eye damage

H412: Harmful to aquatic life with long lasting effects

OSHA Defined Hazards

This product is hazardous under the criteria of the Federal OSHA
Hazard Communication Standard 29 CFR 1910.1200.

HNOC - Hazards Not Otherwise Classified

No other hazards classified



Corrosive



Irritant

Signal
Word

Danger!

GHS Precautionary Statements - Prevention, Response, Storage, Disposal

Do not breathe mist/vapours/spray Wear protective gloves/protective clothing/eye protection/face protection

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician **IF ON SKIN** (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P303+361+353: **IF ON SKIN** (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Store locked up

Dispose of contents/container to an approved waste disposal plant according to local, state and federal regulations.

SECTION 3 Composition/information On Ingredients

Molecular Weight: 322.00

Chemical FORMULA: No data available

CAS#:	Common Name/Synonyms:	% by Wt.
85536-14-7	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	>90% <100%
67774-74-7	Benzene, C10-13-alkyl derivs.	>1.0% <5.0%
7664-93-9	Sulfuric acid	>1.0% <5.0%

SECTION 4 - First Aid Information

Description of first aid measures

General Advice:

Immediately remove any soiled clothing and wash with plenty of water. The rescuer must be equipped with individual protection.

If Inhaled:

Inhalation: Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention. If unconscious, place patient on a side position for transportation.

In Case Of Skin Contact:

Skin contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention. Remove contaminated clothing and shoes before reuse or discard if they cannot be thoroughly cleaned.

In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If present and easy to do, remove contact lenses. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention.

If Swallowed:

DO NOT INDUCE VOMITING. Seek IMMEDIATE medical attention. Drink plenty of water. Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Most important symptoms and effects, both acute and delayed:

Will cause eye and skin severe burns. Redness of the skin.

Ingestion will cause sore throat, coughing, shortness of breath and delayed lung edema.

Indication of any immediate medical attention and special treatment needed:

Causes burns. Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 5 - Fire And Explosion Data

Suitable Extinguishing Media:

All forms necessary to fight surrounding fire, CO₂, powder or water spray- Fight larger fires with water spray or alcohol resistant foam.

UnSuitable Extinguishing Media:

Do not use high pressure water jet.

Specific Hazards arising from the chemical:

May release sulfur oxides (SO_x) compounds if involved in a fire situation. Carbon monoxide and carbon dioxide

May release irritating gases and vapors. The product causes burns of eyes, skin and mucous membranes so avoid inhaling fumes.

Special protective equipment and precautions for fire-fighters:

Self contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Fire-fighting equipment/instructions

Do not inhale gases in case of fire or combustion.

Keep receptacles cool with water spray.

Specific Methods

Standard procedure for chemical fires.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8 of SDS. Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes.

Environmental Precautions:

Dilute with plenty of water after collecting the liquid. Do not allow to penetrate the ground/soil.
Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

Methods and Materials for Containment and Clean Up:

Collect the liquid with vacuum in a suitable container and absorb the remainder with a porous material (diatomite, acid binders, universal binders, etc). Ensure adequate ventilation. Use neutralizing agent.
Dispose contaminated material as waste according to item 13.

Section 7- Handling and Storage

Precautions for safe handling:

Prevent formation of aerosols. Store in cool dry area. Keep containers tightly sealed.

Conditions for safe storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Provide floor trough without outlet.

Incompatibilities:

Oxidizers, metals and strong bases - Danger of Explosion.

Section 8 - Exposure Control and Personal Protection

Occupational Exposure Limits:

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
Benzenesulfonic acid, 4-C10-13-sec-alkyl	85536-14-7	N/E		ACGIH Threshold Limit Values	Not Established N/E
Benzene, C10-13-alkyl derivs.	67774-74-7			ACGIH Threshold Limit Values	
Sulfuric acid	7664-93-9			ACGIH Threshold Limit Values	

Exposure Limits and Appropriate Engineering Controls:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Individual Protection Measures, (Personal Protective Equipment):

Eye Protection

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Tightly sealed goggles should be worn. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

Skin Protection

Skin contact should be minimized through use of Chemical resistant gloves and suitable long-sleeved clothing (i.e. shirts and pants). Consideration must be given to both to durability as well as permeation resistance. Properly operating chemical fume hood designed for hazardous chemicals and having an

average face velocity of at least 100 feet per minute.

Other Protection:

Apron or other outerwear to protect clothing and skin. Body protection should be used in case of pouring large amounts of disconnecting pipes.

Respiratory Protection

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations. NIOSH approved respirator when vapors are present.

Ventilation Limits:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.

Hygienic Practices:

Eyewash and safety showers should be at hand. The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Section 9 - Physical and Chemical Properties

Appearance And Odor: Brown viscous liquid, odor of sulfur dioxide

pH: 1.0

Melting Point: 12°C (10°F)

Freezing Point: No data available

Boiling Point: >300°C

Flash Point: 148°C

Evaporation Rate: No data available

Solubilities: complete

Specific Gravity: 1.2000 g/cm³

Bulk Density: No data available

Other Information:

Flammable Limits: No data available

UEL: No data available

LEL: No data available

Vapor Pressure(mm/hg): No data available

Vapor Density(air=1): 1.05 gr/ml 20°C

Autoignition Temp: No data available

Decomposition Temp: No data available

Reactivity In Water: No data available

Viscosity: ~2000cps

Section 10 - Stability and Reactivity

Chemical Stability and Reactivity:

Stable under normal temperatures and pressures.

Possible Hazardous Reactions:

No data available

Conditions to Avoid:

High temperatures, moisture, alkaline materials, strong oxidants.

Incompatible Materials:

Oxidizers, metals and strong bases - Danger of Explosion.

Hazardous Decomposition Products:

Carbon monoxides, carbon dioxide, sulfur oxides if thermal decomposition.

Section 11- Toxicological Information

Information On The Likely Routes Of Exposure: Inhalation of mist Ingestion and Dermal.

Symptoms Related To The Physical, Chemical And Toxicological Effects:

Inhalation Effects:

No test data available.

Skin Effects:

No test data available.

Dermal Toxicity:

No test data available.

Eye Effects:

No test data available.

Ingestion Effects:

Oral rat: LD50 - 650 mg/kg

Sensitization:

No test data available.

Carcinogenicity/Mutagenicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.
No data available for mutagenicity.

Reproductive Effects:

No test data available.

Neurotoxicity:

No test data available.

Target Organs:

None

Additional Toxicological Information:

None

Section 12- Ecological Information

Ecotoxicity: Fish: trout: LCT50 = 10.8 mg/L; 96 hr; Statis conditions.

Degradability: partially biodegradable

Bioaccumulative potential: No data available

Mobility in the Soil: No data available

Additional Adverse effect on environment:

Water flea Daphnia: EC 50 - 11-23 mg/L; 48 Hr; unspecified conditions. Acquatic water temperature affects biodegration.

SECTION 13 - Disposal Considerations

Disposal Instructions and Regulations:

Dispose of waste in accordance with all applicable federal, state and local regulations. Material collected with absorbent may be disposed in a permitted landfill in accordance with federal, state and local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

Hazardous Waste Code: Not considered a hazardous waste

Container Disposal Information:

Be advised that state/local requirements for container disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of container.

Section 14 - Transport Information

US DOT, IATA, IMO, ADR:

Proper Shipping Name: UN 2586, Alkyl sulfonic acids, liquid, 8, PG III

D. O. T. Hazard Class: 8

UN #: UN# 2586

Label Requirement: Corrosive

RQ: 1000

Placard: Corrosive

CAS: 27176-87-0

Packing Group: III

ERG Book Information: 154

Environment Hazards: No

Marine Pollutant: No

Special Precautions: No

IATA: Corrosive liquid, acidic, organic, N.O.S. (Alkylbenzene Sulfonic Acid. Sulfuric acid)

Section 15 - Regulatory Information

US Federal - OSHA Status:

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status:

Listed/Reportable

U.S. SARA Reporting Requirements:

SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

SARA Title III Hazard Classes Sections 311/312:

Immediate (acute) health hazard

SARA Section 313 Toxic Chemicals:

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

CAS# **Chemical Name:**

This material does NOT contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SARA Superfund Section 110:

This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

CERCLA, 40 CFR 117, 302:

This product does NOT contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA listed substances are:

Dodecyl Benzene Sulphonic Acid 27176-87-0 RQ: 1000 lbs.

Other Federal Reporting Requirements:

CAA: Not listed on the CAA
CWA: Listed as a hazardous substance under the CWA
RCRA: Not considered a hazardous waste under RCRA

State Reporting Requirements:

State Right to Know Laws:

CAS#	State RTK	Chemical Name
	MA, NY, PA, RI	Dodecyl Bensenesulfonic Acid

CALIFORNIA PROPOSITION 65:

This product does NOT contain any chemicals which require warning under California Proposition 65.

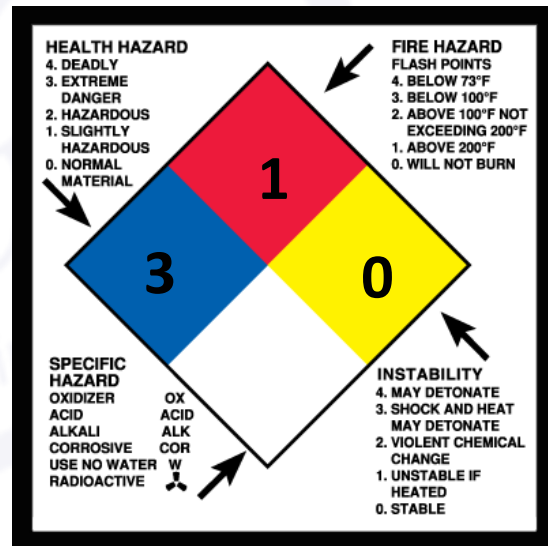
Michigan Critical Materials:

This product does NOT contain ingredients listed on the Michigan Critical Materials Register.

Global Lists/International Inventories:

Canada CEPA: Listed on the DSL/NDL list.
Canada WHMIS: This product has a WHMIS classification of E - Corrosive - D2B - Toxic Material causing other toxic effects

SECTION 16 - Other Information



Date of last revision:

6-1-2015

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LidoChem, Inc.

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NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

Key Legend Information:

N/Ap:	Not Applicable	ND:	Not Determined
N/R:	Not Rated	NDA:	No Data Available
ACGI	American Conference of Govr'ntal Industrial Hygienists	TLV:	Threshold Limit Value
OSHA:	Occupational Safety and Health Administration	TWA:	Time Weighted Average
PEL:	Permissible Exposure Limit	NTP:	National Toxicology Program
STEL:	Short Term Exposure Limit	TSCA:	Toxic Substance Control Act
IARC:	International Agency for Research on Cancer	CERCLA:	Comprehensive Response, Compensation and Liability Act
SARA Title III:	Superfund Amendments and Reauthorization Act	CWA:	Clean Water Act
CAA:	Clean Air Act		
RCRA:	Resource Conservation Recovery Act		
IATA:	International Air Transport Association Shipping Info.	IMO:	International Maritime Organization Shipping Info.
DSL:	Domestic Substance List (Canada)	WHMIS:	Workplace Hazardous Materials Information System

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