



610, rue Adanac, Quebec (Quebec) G1C 7B7

## 1. Identification of the Substance and of the Company

**Product Name:** Sodium Dodecylbenzenesulfonate (LAS 90)

**Product Code:** ST-0104

**Product Use:** Sodium Dodecylbenzenesulfonate surfactant

Supplier	:	Laboratoire MAT Inc. 610 Adanac street Quebec QC G1C 7B7 CANADA www.labmat.com
Telephone	:	418-660-8666
Fax	:	418-660-8998
Emergency	:	418-660-8666 Mon-Fri 8hAM-4hPM
E-mail	:	labmat@labmat.com

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## 2. Hazard Identification

Acute toxicity, oral (Category 4), H302  
Skin irritation (Category 2), H315  
Serious eye damage/eye irritation (Category 1), H318

### Pictogram



**Signal word:** DANGER

### Hazard statement(s)

H302: Harmful if swallowed  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H500: May form combustible dust concentrations in air.

### Hazards Not Otherwise Classified (HNOC)

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.

**Precautionary statement(s)**

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash hands and other exposed area thoroughly after handling.

P301 + P330 + P331+ P312: IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/ doctor/ medical personnel if you feel unwell.

P303 + P361 + P351 + P333 + P313: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes. If skin irritation or rash occurs: Get medical advice/attention.

P304 + P340 + P342 + P311: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P305 + P351 + P338 + P337 + P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

P390: Absorb spillage to prevent material damage.

P405: Store locked up.

P501: Dispose of contents/ container to an approved waste disposal plant in accordance with federal, state and local environmental control regulations.

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**3. Composition/ Information on Ingredients**

**Appearance:** Creamy White Flake/ Powder

**Assay:** 90.0% Min

Component	CAS Number	Concentration
Sodium Dodecylbenzenesulfonate	25155-30-0	90-93%
Sodium Sulfate	7757-82-6	5%
Sodium Chloride	7647-14-5	1%
Water	7732-18-5	1.5%

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**4. First-Aid Measures****Eye Contact**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical attention if irritation occurs.

**Skin Contact**

Remove any contaminated clothing. Wipe off excess from skin. Wash skin with soap and flush with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Inhalation**

If inhaled, remove to fresh air immediately and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty.

**Ingestion**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by

mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

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

Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation, may cause redness and pain.

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

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

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**5. Fire Fighting Measures**

**Hazardous Combustion Products:**

In fire conditions: Carbon oxides and Sulfur oxides.

**Fire-Fighting Equipment/ Instructions**

Evacuate personnel to a safe area. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. 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.

**Extinguishing Media**

Suitable extinguishing media such as water spray, water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

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**6. Accidental Release Measures**

**Personal precautions, protective equipment, and emergency procedures**

Use proper personal protective equipment as indicated in Section 8. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation.

**Containment and Cleaning up**

Handle in accordance with industrial hygiene and safety practices. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Avoid generating dusty conditions. Finish cleaning the contaminated surface and dispose of according to local and regional authority requirements.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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**7. Handling and Storage**

**Precautions**

Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Do not swallow. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Wash hands and other exposed areas with mild soap and water after handling. Handle in accordance with good industrial hygiene and safety procedures.

**Storage**

Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material. Keep away from incompatible materials. Empty containers should be handled with care because it may contain residual amounts of this product.

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**8. Exposure Controls / Personal Protection****Exposure Limit**

No data available

**Engineering Controls**

Use adequate ventilation or other engineering controls to keep airborne concentrations below recommended exposure limits. See OSHA Regulations state in 29 CFR 1910.151 (c) for an eyewash facility and safety shower requirement.

**Personal Protective Equipment**

**Eyes:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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**9. Physical and Chemical Properties**

**Appearance:** Cream colored free flowing flake/powder

**Odor:** Mild

**Odor Threshold:** No data available

**pH:** 6.5-8.5

**Melting point/ freezing point:** >300°C (572°F)

**Initial boiling point/ Boiling range:** No data available

**Evaporation rate:** No data available

**Vapor pressure:** No data available

**Vapor density:** No data available

**Density (bulk):** 0.367g/ml

**Water solubility:** Soluble

**Viscosity:** No data available

**Oxidizing properties:** No data available

**Auto-ignition Temperature:** No data available

**Flash Point:** >93.9°C (201°F)

**Explosion Limits:** No data available

**Flammability of the Product:** No data available

**Flammable Limits:** Not data available

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**10. Stability and Reactivity**

**Stability:** Stable under ordinary conditions

**Reactivity:** Not reactive under normal conditions

**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.

**Hazardous decomposition products:** Sulfur Dioxide and oxides of Sulfur.

**Hazardous polymerization:** No data available

**Incompatible Materials:** Strong oxidizing agents

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## 11. Toxicological Information

Acute Oral LD50 (Rat)	1080-1980 mg/kg
Acute Dermal LD50 (Rabbit)	>2000 mg/kg
Inhalation LC50	N/A

### Potential Health Effects

Inhalation:	Inhalation of dusts may cause respiratory irritation.
Skin:	Contact may cause skin irritation.
Eyes:	Causes serious eye irritation or damage. Avoid exposure of dust and powder.
Ingestion:	May be harmful if swallowed. Do not ingest.
Signs and Symptoms of Exposure:	Irritation.
Chronic Effects of Long-term Exposure:	No known significant effects or critical hazards.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NYP, or OSHA
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.

## 12. Ecological Information

### Acute Ecotoxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects

Fish	LC50 = 3 mg/L (96 hr)
Daphnia magna	EC50 = 1.6-9.3 mg/L (48 hr)
Algae	EC50 = 29 mg/L (72 hr)

### Ecological Effects

Persistence and Degradability:	Expected to be readily biodegradable.
Bioaccumulation Potential:	Not expected to bioaccumulate.
Mobility in Soil:	No specific data available.

## 13. Disposal Information

### Waste Disposal

Keep out of sewers and waterways. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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## 14. Transport Information

### US DOT/ IATA/IMDG

Proper Shipping Name:	Environmentally Hazardous Substance, Solid, N.O.S. (Alkylbenzenesulfonic Acid)
UN Number:	UN 3077
Hazard Class:	9
Packing Group:	III
Marine Pollutant:	Yes

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## 15. Regulatory Information

### SARA 311/312 Hazards

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

### TSCA Inventory

All components listed or exempted.

### European Union

**EC Inventory:** All components listed or exempted.

### California Regulations

#### California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

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.

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## 16. Other Information

### HMIS Rating

Health hazard: 2

Chronic Health Hazard:

Flammability: 1

Physical Hazard 0

### NFPA Rating

Health hazard: 2

Fire Hazard: 1

Reactivity Hazard: 0

**Revision Date: 2023-03-15**