



Centre Anti-Poison pour le Québec: (800) 463-5060

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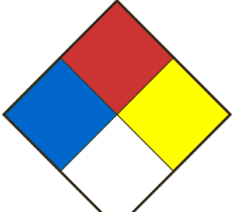
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## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier SODIUM DODECYLSULFATE		Product Use Laboratory use	
Chemical formula C <sub>12</sub> H <sub>25</sub> O <sub>4</sub> S.Na		Product code SP-0165 ; SH-0099	Molar weight 288,38
Chemical name / Commercial name / Synonymous SULFATE DE DODÉCYLE ET DE SODIUM, SODIUM DOCECYL SULFATE, DODECYL SULFATE SODIUM SALT, SODIUM LAURYL SULFATE, SULFURIC ACID MONODODECYL ESTER SODIUM SALT, DÉTERGENT 66, IRIUM			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
Postal code G1C 7B7	Internet www.labmat.com	Phone number 418-660-8666 / 800-890-8666	
Emergency phone	CANUTEC: 613-996-6666	CENTRE ANTI-POISON DU QUÉBEC 800-463-5060	
Date SDS 12/27/2018	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

## SECTION 02 - HAZARDS IDENTIFICATION

<b>Classification WHIMS / GHS</b>	<p>Skin corrosion/irritation - Skin irritation category 2</p> <p>Acute toxicity - Oral category 4</p> <p>Acute toxicity - Dermal category 3</p> <p>Specific target organ toxicity - Single exposure category 3</p> <p>Serious eye damage/eye irritation - Eye irritation category 2</p> <p>Flammable solids category 2</p>
<b>Signal Word</b>	<p>DANGER</p>
<b>Hazards statements (H)</b>	<p>H228 Flammable solid.</p> <p>H302 Harmful if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H335 May cause respiratory irritation.</p>
<b>Precautionary statements (P)</b>	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P261 Avoid breathing dust / fume / gas / mist / vapours / spray.</p> <p>P264 Wash the areas of the body that have been in contact with the product after handling.</p> <p>P270 Do no eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P321 Specific treatment (see section 4 of the SDS and on this label).</p> <p>P330 Rinse mouth.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P337 + P313 If eye irritation persists: Get medical advice/attention.</p> <p>P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370 + P378 In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction.</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</p>
<b>PICTOGRAMS</b>	
<b>Other dangers</b>	<p>NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)</p>
	<p><b>Health</b> 2</p> <p><b>Fire</b> 2</p> <p><b>Reactivity</b> 2</p> <p><b>Special danger</b></p>

## SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Sulfate dodécylque de sodium	151-21-3	<=100

## SECTION 04 - FIRST AID MEASURES

<b>Eye contact</b>	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention.
<b>Skin contact</b>	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
<b>Inhalation</b>	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>Ingestion</b>	If the person is conscious, give water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Most important symptoms and effects (acute and delayed)</b>	Ref. section 11.
<b>Immediate medical attention and special treatment, if necessary</b>	In case of medical consultation, keep this sheet available.
<b>General advice</b>	Show this safety data sheet to the doctor in attendance.

## SECTION 05 - FIREFIGHTING MEASURES

<b>Flammability</b>	Yes
<b>Ignition conditions</b>	Heat, sparks and open flame.
<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Not applicable.
<b>Hazardous combustion / decomposition products</b>	Hazardous decomposition products formed under fire conditions. Carbon monoxide, carbon dioxide. - Sulphur oxides, Sodium oxides.
<b>Special fire and explosion hazards</b>	May react violently with incompatible products (Ref Section 10).
<b>Special protective equipment and precautions for firefighters</b>	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

## SECTION 06 - ACCIDENTAL RELEASE MEASURES

<b>Methods and materials for containment and cleaning up / Personnel precautions, protective equipment</b>	Evacuate personnel to safe areas. Remove all sources of ignition. Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains.
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## SECTION 07 - HANDLING AND STORAGE

<b>Conditions for safe storage</b>	Hygroscopic. Keep container tightly closed in a dry and well-ventilated place.
<b>Methods of handling</b>	Provide appropriate exhaust ventilation at places where dust or vapor is formed.

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace control parameters

Components	CAS-No.	Value	Control Citric acid	
SODIUM DODECYLSULFATE	151-21-3	No data available	TLV, TWA, STEL	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		No data available	TLV, TWA, STEL	Canada. British Columbia OEL
		No data available	TLV, TWA, STEL	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

<b>Ventilation</b>	Use fan.
<b>Respiratory</b>	If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
<b>Gloves</b>	Handle with gloves.
<b>Eyes</b>	Safety goggles with safety shutters.
<b>Shoes</b>	Safety shoes.
<b>Clothing</b>	Labcoat.
<b>Engineering control</b>	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

## SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid.
<b>Appearance</b>	Cristaux ou poubre blanc.
<b>Odour</b>	Inodore..
<b>Odour threshold</b>	Data not available
<b>pH</b>	9 à 10 g/L.
<b>Melting point / Freezing point</b>	204-207°C
<b>Initial boiling point</b>	Data not available
<b>Boiling range</b>	Data not available
<b>Flash point</b>	170°C
<b>Evaporation rate</b>	Data not available
<b>Flammability</b>	Yes
<b>Lower flammable / Explosive limit</b>	Data not available
<b>Upper flammable / Explosive limit</b>	Data not available
<b>Vapour pressure</b>	0.0018 hPa (0.0014 mmHg).
<b>Vapour density</b>	Data not available
<b>Relative density</b>	0.370g/cm <sup>3</sup>
<b>Solubility</b>	Soluble dans l'eau (10%).
<b>Partition coefficient water/n-octanol</b>	log pow : 0.83 à 22°C.
<b>Auto-ignition temperature</b>	250°C
<b>Decomposition temperature</b>	Data not available
<b>Viscosity</b>	Data not available

## SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	Non-reactive under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>Conditions of instability (Including sensitivity to shock / static discharge / vibration)</b>	Avoid contact with incompatible materials. Heat, flames and sparks.
<b>Incompatible material</b>	Oxidizing agents
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Sodium oxides.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### SODIUM DODECYLSULFATE

<b>Routes of exposure</b>	Ingestion, inhalation, skin and eyes.
<b>Acute exposition effects / symptoms:</b>	By exposure route below.
<b>- Eyes</b>	Irritation and may cause inflammation of the conjunctiva.
<b>- Skin</b>	May cause skin irritation.
<b>- Inhalation</b>	Irritation of the mucous membranes and respiratory tract. Nervous disorders, chest pains, allergies respiratory, cough, dyspnea, sneezing headache, dizziness, watery eyes, nausea and vomiting.
<b>Acute toxicity (Ingestion)</b>	May cause irritation of the mucous membranes, mouth, throat, esophagus and digestive tract.
<b>Chronic exposure effects / symptoms</b>	Burning sensation, dermatitis, conjunctivitis, nervous disorders, lung damage, chest pain, cough, dyspnea, laryngitis, headache, dizziness, confusion, irritability, watery eyes, sneezing, tiredness, weight loss and loss of appetite, nausea and vomiting. NOTE: Prolonged or repeated inhalation of sodium dodecyl sulfate may induce an allergic reaction at the respiratory level. This reaction is stimulated by airway dysfunction accompanied by fatigue and discomfort. Environmental stimuli such as exhaust fumes, perfumes or cigarette smoke can aggravate the allergic state.
<b>DL50 (specify species and route of entry)</b>	LD50 Oral - Rat - 977 mg/kg LD50 Dermal - Rabbit - > 2000 mg/kg
<b>CL50 (specify species and route of entry)</b>	LC50 Inhalation - Rat - 1h - > 3.9 mg/L

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Toxicity to fish: Flow-through test - LC50 - Pimephales promelas (fathead minnow) - 29 mg/L - 96h Toxicity to daphnia and other aquatic invertebrates: CL50 - Daphnia dubia (Daphnie) 5.55 mg/L - 48h NOEC - Daphnia (water flea) - 0.684 mg/l - 7 d. Toxicity to algae: Inhibition of growth LOEC - Pseudokirchneriella subcapitata - 2.68 mg/l - 6 d. Static test EC50 - Desmodesmus subspicatus (green algae) - > 120 mg/l - 72 h.
<b>Persistence and degradability</b>	Biodegradability aerobic. Method: OECD Test Guideline 301B. Result: 95 % - Readily biodegradable.
<b>Bioaccumulative potential</b>	Bioaccumulation Cyprinus carpio (Carp) - 72 h. Bioconcentration factor (BCF): 3. 9 - 5.3.
<b>Mobility in soil</b>	Data not available.
<b>Other adverse effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company.
<b>Contaminated Packaging</b>	Dispose of as unused product.

## SECTION 14 - TRANSPORT INFORMATION

UN Number	1325
UN Proper shipping name	SOLIDE ORGANIQUE INFLAMMABLE, N.S.A (Sodium dodecyl sulphate)
Transport hazard class(es)	4.1 Flammable solids
Packing group	III
Limited quantity index	5kg
ERAP Index	-
Special precautions	16

## SECTION 15 - REGULATORY INFORMATION

WHIMIS CANADA	Skin corrosion/irritation - Skin irritation category 2 Acute toxicity - Oral category 4 Acute toxicity - Dermal category 3 Specific target organ toxicity - Single exposure category 3 Serious eye damage/eye irritation - Eye irritation category 2 Flammable solids category 2
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## SECTION 16 - OTHER INFORMATION

### Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Last Update: 12/27/2018