

# spectrum

chemicals & laboratory products

A Division of Spectrum Chemical Mfg. Corp.

Dear Customer,

## This File Contains Both The ANSI Material Safety Data Sheet and The GHS Safety Data Sheet For The Same Product

Spectrum is currently transitioning all chemical product labeling from the ANSI<sup>1</sup> format to the GHS<sup>2</sup> format (see note below). In order to ensure that you receive complete labeling during the transition, we have included both the ANSI MSDS and the GHS SDS in a single file. The ANSI MSDS is given first, followed by the GHS SDS. Please use whichever matches the container label.

### Why It Matters:

The complete precautionary labeling for this chemical consists of BOTH the label on the container AND the matching Material Safety Data Sheet (for ANSI labels) or Safety Data Sheet (for GHS labels). Both elements of the labeling [Label + (M)SDS] are written to be read and understood together, so as to provide complete precautionary information. It is intended for you to read and understood BOTH before handling or using the chemical.

### Picking the Right One: 2 Easy Ways To Tell Whether Your Container Has an ANSI Label or a GHS Label

- 1) GHS labels: any pictogram displayed in the upper left-hand corner will be inside a red diamond. ANSI labels: pictograms, if present, will be inside individual black boxes.
- 2) GHS labels: on the bottom of the right-hand panel of the label, locate the Lot Number. Directly to the left will be a string of control characters, followed by a single letter. For GHS labels, the string of characters will end in "GHS:"

**Label in ANSI Format**

**CAUTION!**  
MAY BE HARMFUL IF SWALLOWED  
MAY CAUSE EYE AND SKIN IRRITATION  
MAY AFFECT BEHAVIOR AND  
METABOLISM

Do not taste or swallow. Avoid contact with eyes, skin and clothing. Avoid breathing mist or vapor. Avoid prolonged or repeated exposure. Use with adequate ventilation. Wash thoroughly after handling.

**FIRST AID:** In case of contact, flush affected area with plenty of water for at least 15 minutes. Remove contaminated clothing and/or jewelry. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If irritation persists, call a physician.

**KEEP FROM CHILDREN**



**BE159      SIZ SY**

**Benzyl Benzoate**  
(Benzoic Acid  
Phenylmethyl Ester)

U.S.P.  
CAS 120-51-4

CAUTION: For manufacturing, processing or repacking. Read and understand the label and Material Safety Data Sheet (MSDS) prior to use.  
For chemical emergency, call (800)424-9300.

$C_{11}H_{12}O_2$       F.W. 212.24

Assay ..... 99.0-100.5%  
Specific Gravity  $\pm 25^{\circ}C$  ..... 1.116-1.120  
Congealing Temperature ..... Min. 18.0°C  
Refractive Index  $\pm 20^{\circ}C$  ..... 1.565-1.570  
Acidity ..... To pass test

**MAXIMUM LIMITS**  
Aldehyde ..... 0.05%  
Residual Solvents ..... To pass test

**FLUSHED WITH NITROGEN**

Lot No. XQ###

SPECTRUM CHEMICAL MFG. CORP.      Gardena, CA 90248 • New Brunswick, NJ 08901

CORPORATE OFFICES  
14422 South San Pedro Street  
Gardena, California 90248  
PHONE 310.516.8000  
FAX 310.516.9843

**Label in GHS Format**

**WARNING!**

- May irritate if swallowed • May cause central nervous system effects based on animal data
- Do not use or handle • Wear protective gloves
- After handling
- WASH AND DRY IMMEDIATELY! Call a POISON CENTER or doctor/physician if you feel unwell. Avoid mouth.

**KEEP FROM CHILDREN**

**SPECTRUM**

BE159      SIZ SY

**Benzyl Benzoate**

(Benzoic Acid Phenylmethyl Ester)

U.S.P.

CAS 129-51-4

CAUTION: For industrial use only. Do not use for food or feed. Do not use for medical purposes. Do not use for cosmetic purposes. Do not use for pharmaceutical purposes. Do not use for food or feed. Do not use for medical purposes. Do not use for cosmetic purposes. Do not use for pharmaceutical purposes.

Chemical Emergency: (800) 424-9086

www.SpectrumChemical.com

$C_{15}H_{12}O_2$       F.W. 212.24

Assay ..... 99.0-100.5%

Specific Gravity @ 25°C ..... 1.115-1.120

Freezing Temperature ..... Min. 18.0°C

Refractive Index @ 20°C ..... 1.568-1.570

Acidity ..... To pass test

**MAXIMUM LIMITS**

Aldehyde ..... 0.05%

Residual Solvents ..... To pass test

**LIGHT SENSITIVE:** Keep tightly closed in light-resistant containers.

**FLUSHED WITH NITROGEN**

**Lot No. XQ####**

<sup>1</sup> American National Standards Institute

<sup>2</sup> Globally Harmonized System for Hazard Communication

Sincerely,

Regulatory Affairs

## MATERIAL SAFETY DATA SHEET

NFPA	HMIS	Personal Protective Equipment
------	------	-------------------------------



Health Hazard	2
Fire Hazard	1
Reactivity	0



See Section 8.

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code:	S1332
Product Name:	SODIUM LAURYL SULFATE, FCC
Chemical Name:	Sulfuric acid, monododecyl ester, sodium salt
Synonyms:	Sodium dodecyl sulfate; Aquarex methyl; Dodecyl alcohol, hydrogen sulfate, sodium salt; Dodecyl sulfate sodium; Dreft; Duponal; Gardinal; Irium; Lauryol Sodium Sulfate; Lauryl sulfate, sodium salt; Melanol CL; Perlandrol L; Sodium n-dodecyl sulfate; Sodium Lauryl Sulphate; Sodium monododecyl sulfate; Sodium monolauryl sulfate; Stepanol ME; Standapol WAQ; Stepanol WAQ; Witcolate C, Witcolate A
Recommended use:	Emulsifying agent.
CAS #:	151-21-3
RTECS #	WT1050000
Formula:	C12-H25-O4-S-Na
CI#:	Not available
Supplier:	Spectrum Chemicals and Laboratory Products, Inc. 14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000
Order Online At:	<a href="https://www.spectrumchemical.com">https://www.spectrumchemical.com</a>
Emergency Telephone Number:	CHEMTREC: 1-800-424-9300
Contact Person:	Regina Wachenheim (East Coast)
Contact Person:	Martin LaBenz (West Coast)

### 2. HAZARDS IDENTIFICATION

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### WARNING!

Harmful if absorbed through skin

May be harmful if swallowed

Irritating to eyes

Irritating to skin

MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR

**Odor:**

Faint odor of fatty substances.

**Physical state:**

Solid.

**Appearance:**

Powder.

**Color:**

White. Light yellow.

**OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### POTENTIAL HEALTH EFFECTS

**Principal Routes of Exposure:**

Ingestion. Inhalation.

**Acute Potential Health Effects:****Skin Contact:**

Toxic in contact with skin. Causes skin irritation.

**Eye Contact:**

Causes eye irritation.

**Inhalation:**

Irritating to respiratory system.

**Ingestion:**

May be harmful if swallowed. Causes digestive (gastrointestinal) tract irritation. Ingestion may cause nausea, vomiting, and diarrhea. May cause bloating. May affect the liver.

**Chronic Potential Health Effects:****Component**

Sodium Lauryl Sulfate  
151-21-3 (100)

**Carcinogen Status:**

No information available

**Target Organs:**

No information available

**Mutagenic Effects:**

May affect genetic material  
Mutations in microorganisms

**Teratogenic Effects:**

No information available

**Aggravated Medical Conditions:** No information available

See Section 11 for additional Toxicological Information

### POTENTIAL ENVIRONMENTAL EFFECTS

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Sodium Lauryl Sulfate	151-21-3	100

### 4. FIRST AID MEASURES

<b>General Advice:</b>	Poison information centres in each State capital city can provide additional assistance for scheduled poisons (13 1126). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.
<b>Skin Contact:</b>	Toxic in contact with skin. Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Get medical attention. Call a physician or Poison Control Centre immediately.
<b>Eye Contact:</b>	Flush eye with water for 15 minutes. Get medical attention.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Harmful if swallowed. Obtain medical attention.
<b>Notes to Physician:</b>	Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

#### Flammable Properties

<b>Flashpoint (°C/°F):</b>	No information available.
----------------------------	---------------------------

<b>Flash Point Tested according to:</b> Not available
--

<b>Lower Explosion Limit (%):</b>	No information available
<b>Upper Explosion Limit (%):</b>	No information available

<b>Autoignition Temperature (°C/°F):</b>	No information available
--	--------------------------

<b>Suitable Extinguishing Media:</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray mist or foam.
<b>Unsuitable Extinguishing Media:</b>	No information available.
<b>Hazardous Combustion Products:</b>	Carbon monoxide; Carbon dioxide
<b>Specific hazards:</b>	May be combustible at high temperatures. 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.
<b>Special Protective Equipment for Firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Specific Methods:**

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Avoid dust formation. Avoid dispersal of dust in the air. 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. Nonsparking tools should be used.

**Environmental Precautions:**

No information available.

**Methods for Cleaning Up:**

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Handling****Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Minimize dust generation and accumulation. Avoid dust formation. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. All equipment used when handling the product must be grounded. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from incompatible materials.

**Safe Handling Advice:**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe vapours/dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

**Storage****Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

**Incompatible Materials:**

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment) It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment

**Personal Protective Equipment**

**Eye protection:** Goggles.

**Skin and body protection:** Long sleeved clothing. Chemical resistant apron. Gloves.

**Respiratory protection:** Wear respirator with dust filter..

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

**National occupational exposure limits****United States**

U.S Occupational Exposure Limits: Not determined

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Sodium Lauryl Sulfate - 151-21-3	None	None	None	None

**Canada**

Canada Occupational Exposure Limits: Not determined

Components	Alberta	British Columbia	Ontario	Quebec
Sodium Lauryl Sulfate 151-21-3	None	None	None	None

**Australia and Mexico**

Occupational Exposure Limits for Australia and Mexico: Not determined

Components	Australia	Mexico
Sodium Lauryl Sulfate 151-21-3	None	None

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Solid.	<b>Appearance:</b> Powder.	<b>Color:</b> White. Light yellow.
<b>Odor:</b> Faint odor of fatty substances.	<b>Taste</b> No information available	<b>Molecular/Formula weight:</b> 288.38
<b>Flash point (°C):</b> No data available	<b>Lower Explosion Limit (%):</b> No information available	<b>Upper Explosion Limit (%):</b> No information available
<b>Autoignition Temperature (°C/°F):</b> No information available	<b>Melting point/range(°C/°F):</b> 204-207 °C/399.2-404.6 °F	<b>Boiling point/range(°C/°F):</b> No information available
<b>pH:</b> No information available	<b>Specific gravity:</b> 0.4-0.48	<b>Density (g/cm3):</b> No information available
<b>Decomposition temperature(°C/°F):</b> No information available	<b>Bulk density:</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> No information available
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> No information available	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> 1.6	<b>Miscibility:</b> No information available
<b>Solubility:</b> Soluble in Water Solubility in Water: 150 g/L at 20 °C		

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions
<b>Conditions to avoid:</b>	Heat. Avoid dust formation. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Incompatible materials.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Carbon monoxide. Carbon dioxide. Sulphur oxides. Sodium oxides.
<b>Possibility of Hazardous Reactions:</b>	No information available
<b>Polymerization:</b>	Hazardous polymerisation does not occur
<b>Corrosivity:</b>	No information available
<b>Special Remarks on Corrosivity:</b>	No information available

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

### Component Information

*Sodium Lauryl Sulfate - 151-21-3*



**LD50/oral/rat** = 1288 mg/kg Oral LD50 Rat (RTECS)  
 977 mg/kg (LOLI and European Commission IUCLID dataset)  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rat** = No information available  
**LD50/dermal/rabbit** = 580 mg/kg Dermal LD50Rabbit  
**LC50/inhalation/rat** = >3900 mg/m<sup>3</sup> Inhalation LC50 Rat 1 h  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50information** = No information available

## Product Information

**LC50/inhalation/rat** >3900 mg/m<sup>3</sup> 1 hr  
**LC50/Inhalation/mouse** No information available  
**LD50/dermal/rabbit** 580mg/kg  
**LD50/dermal/rat** No information available  
**LD50/oral/mouse** = No information available  
**LD50/oral/rat** = 977mg/kg

## Local Effects

**Skin irritation:** Causes skin irritation.  
**Eye irritation:** Causes eye irritation.  
**Inhalation:** Irritating to respiratory system. Symptoms may include coughing and shortness of breath. May cause sore throat.  
**Ingestion:** May be harmful if swallowed. Causes digestive (gastrointestinal) tract irritation. Ingestion may cause nausea, vomiting, diarrhea. May cause bloating. May affect behavior/central nervous system (somnolence).  
**Sensitization:** No information available

## Chronic Toxicity

**Chronic Toxicity** Prolonged or repeated ingestion may affect the liver. Prolonged or repeated skin contact may cause dryness of the skin. Prolonged skin contact may cause skin irritation and/or dermatitis.

**Carcinogenic effects:** Not considered carcinogenic

Components	NTP	IARC	OSHA HCS - Carcinogens	ACGIH - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances
Sodium Lauryl Sulfate	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

**Mutagenic Effects:** May affect genetic material  
 Mutations in microorganisms

**Reproductive Effects:** May cause adverse developmental effects based on animal data. Increased rates of fetal anomalies and fetal death were reported in association with maternal toxicity among the offspring of pregnant mice treated orally with 200 mg/kg/day or topically with 170 to 1700 mg/kg/day of Sodium Lauryl Sulfate (REPROTOX). No information on developmental toxicity effects on humans was found.

**Teratogenic Effects:** No information available

**Target Organs:** No information available

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

**Toxicity to terrestrial and aquatic plants and animals:** No information available

**Ecotoxicity effects:** Aquatic environment.

**Aquatic toxicity:**

*Sodium Lauryl Sulfate - 151-21-3*

**Freshwater Algae Data:** 3.59 - 15.6 mg/L EC50 *Pseudokirchneriella subcapitata* 96 h  
30 - 100 mg/L EC50 *Desmodesmus subspicatus* 96 h  
117 mg/L EC50 *Pseudokirchneriella subcapitata* 96 h  
53 mg/L EC50 *Desmodesmus subspicatus* 72 h

**Freshwater Fish Species Data:** 10.2 - 22.5 mg/L LC50 *Pimephales promelas* 96 h semi-static 1  
10.8 - 16.6 mg/L LC50 *Poecilia reticulata* 96 h static 1  
13.5 - 18.3 mg/L LC50 *Poecilia reticulata* 96 h semi-static 1  
15 - 18.9 mg/L LC50 *Pimephales promelas* 96 h static 1  
22.1 - 22.8 mg/L LC50 *Pimephales promelas* 96 h static 1  
4.06 - 5.75 mg/L LC50 *Lepomis macrochirus* 96 h static 1  
4.2 - 4.8 mg/L LC50 *Lepomis macrochirus* 96 h flow-through 1  
4.3 - 8.5 mg/L LC50 *Oncorhynchus mykiss* 96 h static 1  
5.8 - 7.5 mg/L LC50 *Pimephales promelas* 96 h static 1  
6.2 - 9.6 mg/L LC50 *Pimephales promelas* 96 h 1  
8 - 12.5 mg/L LC50 *Pimephales promelas* 96 h static 1  
9.9 - 20.1 mg/L LC50 *Brachydanio rerio* 96 h semi-static 1  
1.31 mg/L LC50 *Cyprinus carpio* 96 h semi-static 1  
4.2 mg/L LC50 *Oncorhynchus mykiss* 96 h 1  
4.5 mg/L LC50 *Lepomis macrochirus* 96 h 1  
4.62 mg/L LC50 *Oncorhynchus mykiss* 96 h flow-through 1  
7.97 mg/L LC50 *Brachydanio rerio* 96 h flow-through 1  
**Water Flea Data:** 1.8 mg/L EC50 *Daphnia magna* 48 h

**Mobility:** Expected to be immobile in soil based on estimated Koc.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** Potential for bioconcentration in aquatic organisms is moderate.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Sodium Lauryl Sulfate	None	None	None	None

## 14. TRANSPORT INFORMATION

**DOT**

**UN-No:** UN2811

**Proper Shipping Name:** Toxic solids, organic, n.o.s.

**Product code:** S1332

**Product name:** SODIUM LAURYL  
SULFATE, FCC

8 / 12

<b>Hazard Class:</b>	6.1
<b>Packing Group:</b>	III
<b>Subsidiary Risk:</b>	Not applicable
<b>Marine Pollutant</b>	No data available
<b>ERG No:</b>	154
<b>DOT RQ (lbs):</b>	No information available
<b>Symbol(s):</b>	G

**TDG (Canada)**

<b>UN-No:</b>	UN2811
<b>Proper Shipping Name:</b>	Toxic solid, organic, n.o.s.
<b>Hazard Class:</b>	6.1
<b>Packing Group:</b>	III
<b>Subsidiary Risk:</b>	No information available
<b>Description:</b>	No information available

**ADR**

<b>UN-No:</b>	UN2811
<b>Proper Shipping Name:</b>	Toxic solid, organic, n.o.s.
<b>Hazard Class:</b>	6.1
<b>Packing Group:</b>	III
<b>Subsidiary Risk:</b>	No information available
<b>Classification Code:</b>	No information available
<b>Description:</b>	No information available
<b>CEFIC Tremcard No:</b>	No information available

**IMO / IMDG**

<b>UN-No:</b>	UN2811
<b>Proper Shipping Name:</b>	Toxic solid, organic, n.o.s.
<b>Hazard Class:</b>	6.1
<b>Packing Group:</b>	III
<b>Subsidiary Risk:</b>	No information available
<b>Description:</b>	No information available
<b>IMDG Page:</b>	No information available
<b>Marine Pollutant</b>	No information available
<b>EMS:</b>	F-A
<b>MFAG:</b>	No information available
<b>Maximum Quantity:</b>	No information available

**RID**

<b>UN-No:</b>	UN2811
<b>Proper Shipping Name:</b>	Toxic solid, organic, n.o.s.
<b>Hazard Class:</b>	6.1
<b>Packing Group:</b>	III
<b>Subsidiary Risk:</b>	6.1
<b>Classification Code:</b>	No information available
<b>Description:</b>	No information available

**ICAO**

<b>UN-No:</b>	UN2811
<b>Proper Shipping Name:</b>	Toxic solid, organic, n.o.s.
<b>Hazard Class:</b>	6.1
<b>Packing Group:</b>	III
<b>Subsidiary Risk:</b>	No information available
<b>Description:</b>	No information available

**IATA**

<b>UN-No:</b>	UN2811
---------------	--------

**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard Class:** 6.1  
**Packing Group:** III  
**Subsidiary Risk:** No information available  
**ERG Code:** 6L  
**Description:** No information available

## 15. REGULATORY INFORMATION

### International Inventories

Components	U.S. TSCA	Philippines (PICCS)	KOREA KECL	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Sodium Lauryl Sulfate</i>	Present	Present	Present KE-21884	Present (2)-1679 (2)-1675	Present	Present	Present 205-788-1

### U.S. Regulations

#### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

##### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

##### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
<i>Sodium Lauryl Sulfate</i>	Not Listed	Not Listed	Not Listed	Not Listed

### CERCLA/SARA

Components	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting <i>de minimis</i>
<i>Sodium Lauryl Sulfate</i>	None	None	None	None	None

### U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
<i>Sodium Lauryl Sulfate</i>	Not Applicable	Not Applicable

### Canada

#### WHMIS hazard class:

D2B Toxic materials

**Sodium Lauryl Sulfate**

D2B

#### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
<i>Sodium Lauryl Sulfate</i>	1 %

## Inventory

Components	Canada (DSL)	Canada (NDSL)
Sodium Lauryl Sulfate	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Sodium Lauryl Sulfate	Not listed	Not listed

## EU Classification

### R-phrases(s)

R21/22 - Harmful in contact with skin and if swallowed.

R36/37/38 - Irritating to eyes, respiratory system and skin.

Components	Classification	Concentration Limits:	Safety Phrases
Sodium Lauryl Sulfate		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

### Indication of danger:

Xn - Harmful.

Xi - Irritant.

Xn



Xi



## 16. OTHER INFORMATION

The MSDS format complies with ANSI Z400.1/Z129.1-2010 standards.

Preparation Date: 21-Aug-2014

Reason for revision: Not applicable

Prepared by: Sonia Owen

Literature reference: No information available

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. The physical properties reported in this MSDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

# SAFETY DATA SHEET

Preparation Date: 5/7/2014

Revision Date: 5/7/2014

Revision Number: G1

## 1. IDENTIFICATION

### Product identifier

**Product code:** S1332  
**Product Name:** SODIUM LAURYL SULFATE, FCC

### Other means of identification

**Synonyms:** Sodium dodecyl sulfate; Aquarex methyl;  
Dodecyl alcohol, hydrogen sulfate, sodium salt;  
Dodecyl sulfate sodium; Dreft; Duponal; Gardinal;  
Irium; Lauryol Sodium Sulfate;  
Lauryl sulfate, sodium salt; Melanol CL;  
Perlandrol L; Sodium n-dodecyl sulfate;  
Sodium Lauryl Sulphate; Sodium monododecyl sulfate;  
Sodium monolauryl sulfate;  
Stepanol ME; Standapol WAQ;  
Stepanol WAQ; Witcolate C, Witcolate A

**CAS #:** 151-21-3  
**RTECS #** WT1050000  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** Emulsifying agent.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemicals and Laboratory Products, Inc.  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Regina Wachenheim (East Coast)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3

**Label elements****Danger****Hazard statements**

Harmful if swallowed  
Toxic in contact with skin  
Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation. May cause drowsiness or dizziness  
May form combustible dust concentrations in air

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

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

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

Specific treatment (see .? on this label)  
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.  
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 and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %	Trade Secret
Sodium Lauryl Sulfate 151-21-3	151-21-3	100	*

### 4. FIRST AID MEASURES

#### First aid measures

##### **General Advice:**

Poison information centres in each State capital city can provide additional assistance for scheduled poisons (13 1126). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

##### **Skin Contact:**

Toxic in contact with skin. Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Get medical attention. Call a physician or Poison Control Centre immediately.

##### **Eye Contact:**

Flush eye with water for 15 minutes. Get medical attention.

##### **Inhalation:**

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

##### **Ingestion:**

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Harmful if swallowed. Obtain medical attention.

#### Most important symptoms and effects, both acute and delayed

##### **Symptoms**

Causes eye irritation. Causes skin irritation. Ingestion may cause nausea, vomiting, and diarrhea. May cause bloating. Somnolence. Dust is irritating to respiratory tract. May cause contact dermatitis.

#### Indication of any immediate medical attention and special treatment needed

##### **Notes to Physician:**

Treat symptomatically

#### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### **Suitable Extinguishing Media:**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray mist or foam.

##### **Unsuitable Extinguishing Media:**

No information available.

#### Specific hazards arising from the chemical

##### **Hazardous Combustion Products:**

Carbon monoxide; Carbon dioxide

##### **Specific hazards:**

May be combustible at high temperatures  
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

## **Special Protective Actions for Firefighters**

**Specific Methods:** No information available.

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## **6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Avoid dust formation. Avoid dispersal of dust in the air. 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. Nonsparking tools should be used.

**Environmental precautions** Prevent further leakage or spillage. Prevent entry into waterways, sewers, basements or confined areas.

### **Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Use only non-sparking tools. Clean contaminated surface thoroughly.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Minimize dust generation and accumulation. Avoid dust formation. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. All equipment used when handling the product must be grounded. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from incompatible materials.

#### **Safe Handling Advice:**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe vapours/dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

### **Conditions for safe storage, including any incompatibilities**

#### **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

#### **Incompatible Materials:**

Strong oxidizing agents.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

### **National occupational exposure limits**

U.S Occupational Exposure Limits: Not determined

### United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Sodium Lauryl Sulfate - 151-21-3	None	None	None	None

### Canada

Canada Occupational Exposure Limits: Not determined

Components	Alberta	British Columbia	Ontario	Quebec
Sodium Lauryl Sulfate - 151-21-3	None	None	None	None

### Australia and Mexico

Occupational Exposure Limits for Australia and Mexico: Not determined

Components	Australia	Mexico
Sodium Lauryl Sulfate 151-21-3	None	None

### Appropriate engineering controls

#### Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment) It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment

### Individual protection measures, such as personal protective equipment

#### Personal Protective Equipment

**Eye protection:** Goggles.

**Skin and body protection:** Long sleeved clothing. Chemical resistant apron. Gloves.

**Respiratory protection:** Wear respirator with dust filter..

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Solid.	<b>Appearance:</b> Powder.	<b>Color:</b> White. Light yellow.
<b>Odor:</b> Faint odor of fatty substances.	<b>Taste</b> No information available	<b>Formula:</b> C12-H25-O4-S-Na
<b>Molecular/Formula weight:</b> 288.38	<b>Flash point (°C):</b> No data available	<b>Flashpoint (°C/°F):</b> No information available.
<b>Flash Point Tested according to:</b> Not available	<b>Lower Explosion Limit (%):</b> No information available	<b>Upper Explosion Limit (%):</b> No information available
<b>Autoignition Temperature (°C/°F):</b> No information available	<b>pH:</b> No information available	<b>Melting point/range(°C/°F):</b> 204-207 °C/399.2-404.6 °F
<b>Boiling point/range(°C/°F):</b> No information available	<b>Decomposition temperature(°C/°F):</b> No information available	<b>Specific gravity:</b> 0.4-0.48
<b>Density (g/cm3):</b> No information available	<b>Bulk density:</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> No information available
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> No information available	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> 1.6	<b>Viscosity:</b> No information available
<b>Miscibility:</b> No information available	<b>Solubility:</b> Soluble in Water Solubility in Water: 150 g/L at 20 °C	

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with oxidizing agents

### Chemical stability

**Stability:** Stable at normal conditions

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Avoid dust formation. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Incompatible materials.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Carbon monoxide. Carbon dioxide. Sulphur oxides. Sodium oxides.

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Principal Routes of Exposure:

Ingestion. Inhalation.

#### Acute Toxicity

#### Component Information

*Sodium Lauryl Sulfate - 151-21-3*

**LD50/oral/rat** = 1288 mg/kg Oral LD50 Rat (RTECS)  
977 mg/kg (LOLI and European Commission IUCLID dataset)  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = 580 mg/kg Dermal LD50Rabbit  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = >3900 mg/m<sup>3</sup> Inhalation LC50 Rat 1 h  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50information** = No information available

#### Product Information

**LD50/oral/rat** =

**VALUE- Acute Tox Oral** = 977mg/kg

**LD50/oral/mouse** =

**Value - Acute Tox Oral** = No information available

**LD50/dermal/rabbit**

**VALUE-Acute Tox Dermal** = 580mg/kg

**LD50/dermal/rat**

**VALUE -Acute Tox Dermal** = No information available

**LC50/inhalation/rat**

**VALUE-Vapor** = No information available

**VALUE-Gas** = No information available

**VALUE-Dust/Mist** = >3900mg/m<sup>3</sup> (1-hr)

**LC50/Inhalation/mouse**

**VALUE-Vapor** = No information available

**VALUE - Gas** = No information available

**VALUE - Dust/Mist** = No information available

#### Symptoms

##### **Skin Contact:**

Toxic in contact with skin. Causes skin irritation.

##### **Eye Contact:**

Causes eye irritation.

##### **Inhalation**

Irritating to respiratory system. Symptoms may include coughing and shortness of breath. May cause sore throat.

##### **Ingestion**

Harmful if swallowed. Causes digestive (gastrointestinal) tract irritation. Ingestion may cause nausea, vomiting, diarrhea. May cause bloating. May affect behavior/central nervous system (somnolence).

##### **Aspiration hazard**

No information available

**Product code:** S1332

**Product name:** SODIUM LAURYL  
SULFATE, FCC

**7 / 13**

## **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Chronic Toxicity</b>	Prolonged or repeated ingestion may affect the liver Prolonged or repeated skin contact may cause dryness of the skin Prolonged skin contact may cause skin irritation and/or dermatitis
<b>Sensitization:</b>	No information available
<b>Mutagenic Effects:</b>	May affect genetic material Mutations in microorganisms
<b>Carcinogenic effects:</b>	Not considered carcinogenic

Components	ACGIH - Carcinogens	IARC	NTP	OSHA HCS - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances
Sodium Lauryl Sulfate	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

**Reproductive toxicity**                      No data is available

<b>Reproductive Effects:</b>	No information available
<b>Developmental Effects:</b>	May cause developmental effects based on animal data. Increased rates of fetal anomalies and fetal death were reported in association with maternal toxicity among the offspring of pregnant mice treated orally with 200 mg/kg/day or topically with 170 to 1700 mg/kg/day of Sodium Lauryl Sulfate (REPROTOX). No information on developmental toxicity effects on humans was found.
<b>Teratogenic Effects:</b>	No information available

### **Specific Target Organ Toxicity**

<b>STOT - single exposure</b>	respiratory system. lungs.
<b>STOT - repeated exposure</b>	No information available
<b>Target Organs:</b>	No information available

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

**Ecotoxicity effects:**                      Aquatic environment.

*Sodium Lauryl Sulfate - 151-21-3*

<b>Freshwater Algae Data:</b>	3.59 - 15.6 mg/L EC50 <i>Pseudokirchneriella subcapitata</i> 96 h 30 - 100 mg/L EC50 <i>Desmodesmus subspicatus</i> 96 h 117 mg/L EC50 <i>Pseudokirchneriella subcapitata</i> 96 h 53 mg/L EC50 <i>Desmodesmus subspicatus</i> 72 h
-------------------------------	--

## Sodium Lauryl Sulfate - 151-21-3

<b>Freshwater Fish Species Data:</b>	10.2 - 22.5 mg/L LC50 Pimephales promelas 96 h semi-static 1 10.8 - 16.6 mg/L LC50 Poecilia reticulata 96 h static 1 13.5 - 18.3 mg/L LC50 Poecilia reticulata 96 h semi-static 1 15 - 18.9 mg/L LC50 Pimephales promelas 96 h static 1 22.1 - 22.8 mg/L LC50 Pimephales promelas 96 h static 1 4.06 - 5.75 mg/L LC50 Lepomis macrochirus 96 h static 1 4.2 - 4.8 mg/L LC50 Lepomis macrochirus 96 h flow-through 1 4.3 - 8.5 mg/L LC50 Oncorhynchus mykiss 96 h static 1 5.8 - 7.5 mg/L LC50 Pimephales promelas 96 h static 1 6.2 - 9.6 mg/L LC50 Pimephales promelas 96 h 1 8 - 12.5 mg/L LC50 Pimephales promelas 96 h static 1 9.9 - 20.1 mg/L LC50 Brachydanio rerio 96 h semi-static 1 1.31 mg/L LC50 Cyprinus carpio 96 h semi-static 1 4.2 mg/L LC50 Oncorhynchus mykiss 96 h 1 4.5 mg/L LC50 Lepomis macrochirus 96 h 1 4.62 mg/L LC50 Oncorhynchus mykiss 96 h flow-through 1 7.97 mg/L LC50 Brachydanio rerio 96 h flow-through 1 1.8 mg/L EC50 Daphnia magna 48 h
<b>Water Flea Data:</b>	
<b>Persistence and degradability:</b>	No information available
<b>Bioaccumulative potential:</b>	Potential for bioconcentration in aquatic organisms is moderate.
<b>Mobility:</b>	Expected to be immobile in soil based on estimated Koc.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

#### Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

#### Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Sodium Lauryl Sulfate	None	None	None	None

## 14. TRANSPORT INFORMATION

### DOT

<b>UN-No:</b>	UN2811
<b>Proper Shipping Name:</b>	Toxic solids, organic, n.o.s.
<b>Hazard Class:</b>	6.1
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing Group:</b>	III
<b>Marine Pollutant</b>	No data available
<b>ERG No:</b>	154
<b>DOT RQ (lbs):</b>	No information available
<b>Symbol(s):</b>	G

### TDG (Canada)

Product code: S1332

Product name: SODIUM LAURYL  
SULFATE, FCC

9 / 13

## 14. TRANSPORT INFORMATION

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Description:** No information available

### ADR

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard Class:** 6.1  
**Packing Group:** III  
**Subsidiary Risk:** No information available  
**Classification Code:** No information available  
**Description:** No information available  
**CEFIC Tremcard No:** No information available

### IMO / IMDG

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Description:** No information available  
**IMDG Page:** No information available  
**Marine Pollutant** No information available  
**EMS:** F-A  
**MFAG:** No information available  
**Maximum Quantity:** No information available

### RID

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard Class:** 6.1  
**Subsidiary Risk:** 6.1  
**Packing Group:** III  
**Classification Code:** No information available  
**Description:** No information available

### ICAO

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Description:** No information available

### IATA

**UN-No:** UN2811  
**Proper Shipping Name:** Toxic solid, organic, n.o.s.  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**ERG Code:** 6L  
**Description:** No information available



## 15. REGULATORY INFORMATION

### International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Sodium Lauryl Sulfate	Present	Present KE-21884	Present	Present (2)-1679 (2)-1675	Present	Present	Present 205-788-1

### U.S. Regulations

#### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

##### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

##### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Sodium Lauryl Sulfate	Not Listed	Not Listed	Not Listed	Not Listed

### CERCLA/SARA

Components	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting <i>de minimis</i>
Sodium Lauryl Sulfate	None	None	None	None	None

### U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Sodium Lauryl Sulfate	Not Applicable	Not Applicable

### Canada

#### WHMIS hazard class:

D2B Toxic materials

#### Sodium Lauryl Sulfate

D2B

#### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Sodium Lauryl Sulfate	1 %

### Inventory

Components	Canada (DSL)	Canada (NDSL)
Sodium Lauryl Sulfate	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Sodium Lauryl Sulfate	Not listed	Not listed

## EU Classification

### R-phrases(s)

R21/22 - Harmful in contact with skin and if swallowed.

R36/37/38 - Irritating to eyes, respiratory system and skin.

Components	Classification	Concentration Limits:	Safety Phrases
Sodium Lauryl Sulfate		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

### Indication of danger:

Xn - Harmful.

Xi - Irritant.

Xn



Xi



## 16. OTHER INFORMATION

**16. OTHER INFORMATION****NFPA****HMIS****Personal Protective Equipment**

Health Hazard	2
Fire Hazard	1
Reactivity	0

**See Section 8.**

**Preparation Date:** 5/7/2014  
**Revision Date:** 5/7/2014  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Material Safety Data Sheet**