

**MATERIAL SAFETY DATA SHEET**

# Silk Laundry Liquid

---

**SECTION 1.**

## Identification of the Substance and Supplier

<b>PRODUCTS APPLICABLE</b>	Simms Jones Silk Laundry Liquid 5L
<b>PRODUCT USE</b>	Household/Industrial/Institutional: Cleaning product
<b>SUPPLIER</b>	Simms Jones Ltd, 217 Lichfield St, Christchurch
<b>PHONE</b>	(03) 366 5769
<b>FAX</b>	(03) 365 4727
<b>E-MAIL</b>	cleanser@simmsjones.co.nz
<b>EMERGENCY CONTACT</b>	Craig Keenan 027 291 6181

---

**SECTION 2.**

## Hazards Identification

### HAZARDS

Serious eye damage/eye irritation Category 2A, Skin corrosion/irritation Category 3, Aquatic toxicity (Chronic) Category 3

### HAZARD STATEMENTS

Warning. Causes serious eye irritation. Causes mild skin irritation. Harmful to aquatic life with long lasting effects.

### PREVENTION STATEMENTS

Read label before use. Wear eye/face protection. Wash hands thoroughly after handling. Avoid release to the environment.

### RESPONSE STATEMENTS

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 attention.

IF ON SKIN: If skin irritation occurs: Get medical attention.

### DISPOSAL STATEMENT

Triple rinse empty container before offering for recycling or disposal.

---

**SECTION 3.****Composition and Information on Ingredients**

INGREDIENT	PROPORTION	CAS NUMBER
Sodium Laureth Sulphate	<10%	68585-34-2
Sodium Dodecylbenzene Sulphonate	<10%	25155-30-0
Coconut Diethanolamide	<10%	68603-42-9
Bronopol	<1%	55965-84-9

---

**SECTION 4.****First Aid Measures**

**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 attention.

**IF ON SKIN:** If skin irritation occurs: Get medical attention.

---

**SECTION 5.****Fire-Fighting Measures****EXTINGUISHING MEDIA**

Foam, CO<sub>2</sub>, dry chemical, or fine water spray

**COMBUSTION PRODUCTS**

Oxides of carbon, sulphur, and nitrogen

**FIRE-FIGHTING PROCEDURES**

Firefighters to wear self-contained breathing apparatus and suitable protective clothing

---

**SECTION 6.****Accidental Release Measures****EMERGENCY PROCEDURES**

No special procedures required

**ENVIRONMENTAL PRECAUTIONS**

No special precautions required

**SPILL CONTROL**

Collect leaking liquid in sealable containers, absorb liquid in inert absorbent, and wash contaminated area with plenty of water.

NOTE: Spills are slippery.

---

**SECTION 7.****Handling and Storage****HANDLING PRECAUTIONS**

Wear eye/face protection. Wash hands thoroughly after handling. Use all precautions for handling the product in handling the empty container and residue.

**STORAGE**

Store in a cool, dry place. Keep out of reach of children.

---

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

<b>EXPOSURE LIMITS</b>	No value assigned for this specific material by Worksafe
<b>ENGINEERING CONTROLS</b>	Ensure ventilation is adequate. Keep containers closed.
<b>RESPIRATORY PROTECTION</b>	No respiratory protection required
<b>PROTECTIVE GLOVES</b>	Not required
<b>EYE PROTECTION</b>	Splash-proof goggles

---

**SECTION 9.****Physical and Chemical Properties**

<b>APPEARANCE</b>	Thick, clear blue liquid
<b>ODOUR</b>	Floral
<b>ODOUR THRESHOLD</b>	Not Available
<b>pH</b>	8-9
<b>MELTING POINT/FREEZING POINT</b>	<0°C
<b>INITIAL BOILING POINT</b>	>100°C
<b>FLASH POINT</b>	Not Flammable
<b>FLAMMABILITY</b>	Not Flammable
<b>FLAMMABILITY OR EXPLOSIVE LIMITS</b>	Not Flammable
<b>VAPOUR PRESSURE</b>	Not Determined
<b>VAPOUR DENSITY</b>	Not Determined
<b>RELATIVE DENSITY</b>	1.05
<b>SOLUBILITY</b>	Completely miscible with water
<b>PARTITION CO-EFFICIENT: n-OCTANOL/WATER</b>	Not Determined
<b>AUTO-IGNITION TEMPERATURE</b>	Not Applicable
<b>DECOMPOSITION TEMPERATURE</b>	Not Determined
<b>KINEMATIC VISCOSITY</b>	Not Determined

---

**SECTION 10.****Stability and Reactivity**

<b>REACTIVITY</b>	Not reactive with other chemicals or cleaners
<b>STORAGE CONDITIONS</b>	No special conditions required
<b>INCOMPATIBLE SUBSTANCES</b>	None known
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of carbon, sulphur, and nitrogen

---

## SECTION 11.

### Toxicological Information

<b>ACUTE TOXICITY</b>	No acute effects
<b>SKIN CORROSION/IRRITATION</b>	Causes mild skin irritation
<b>SERIOUS EYE DAMAGE/IRRITATION</b>	Causes serious eye irritation
<b>RESPIRATORY OR SKIN SENSITISATION</b>	No sensitisation
<b>GERM CELL MUTAGENICITY</b>	No data available
<b>CARCINOGENICITY</b>	Not carcinogenic
<b>REPRODUCTIVE TOXICITY</b>	No reproductive toxicity
<b>SPECIFIC TARGET ORGAN TOXICITY</b>	
<b>-SINGLE EXPOSURE</b>	No specific organ toxicity
<b>-REPEATED EXPOSURE</b>	No specific organ toxicity
<b>ASPIRATION HAZARD</b>	No aspiration hazard

#### TOXICITY

#### SODIUM DODECYLBENZENE SULPHONATE

CLASSIFICATION: 8.3A Corrosive to ocular tissue

SPECIES: Rabbit

RESULT: Severe irritant

SOURCE: NTP

NOTE: 8.3A at 47% and above

CLASSIFICATION: 6.3A Irritating to the skin

REMARK: Classification based on calcium dodecylbenzene sulphonate (CAS no. 26264-06-2)

NOTE: 6.3A at 5% and above

#### SODIUM LAURETH SULPHATE

CLASSIFICATION: 6.3A Irritating to the skin

RESULT: R38 Irritating to skin

SOURCE: SDS, Neodol 25-3S/27 (27% SLS), Shell New Zealand Ltd, Version 1, 13/11/01

#### COCONUT DIETHANOLAMIDE

STUDY: Rabbit, OECD Guideline 405 "Acute Eye Irritation/Corrosion"

RESULT: Highly irritating

REMARK: After 21 days a persisting opacity in the cornea was observed in some animals. Because the substance was previously found to be irritating on the skin, only 0.01ml of the undiluted substance was applied to the rabbit's eye, i.e. 10% of the OECD standard.

SOURCE: Henkel KGaA Duesseldorf.

(38). Classification and Labelling of Surfactants, dated from 12 October 1990,

European Committee of Organic Solvents and their Intermediates, Brussels (1990).

(39). Kaestner W., Henkel KGaA, unpublished data, Archive No. 870293 (1987).

---

## SECTION 12.

### Ecological Information

<b>BIODEGRADABILITY</b>	Rapidly Degradable
<b>BIOACCUMULATIVE POTENTIAL</b>	Not Bioaccumulative
<b>MOBILITY IN SOIL</b>	Not Determined

## ECOTOXICITY

### SODIUM DODECYLBENZENE SULPHONATE

#### ACUTE

STUDY: Cod (*Gadus morhua*), static, 96 h, LC<sub>50</sub>

VALUE: 1 mg/L (based on nominal concentration)

SOURCE: Swedmark et al. (1971). International Programme on Chemical Safety Environmental Health Criteria 169 (1996), Linear Alkylbenzene Sulfonates and Related Compounds.

STUDY: Water flea (*Daphnia magna*), static, 48 h, EC<sub>50</sub> (intoxication)

VALUE: 5.88 mg/L

SOURCE: Reference number 344. Office of Pesticide Programs: 2000: Environmental Effects Database: Environmental Fate and Effects Division, United States Environmental Protection Agency, Washington, D.C.

STUDY: Algae, IC<sub>50</sub>

VALUE: 9.1 mg/L

SOURCE: Human and Environmental Risk Assessment [HERA review, <http://www.heraproject.com/files/HERA-LAS%20revised%20April%202013%20Final1.pdf>]

#### CHRONIC

STUDY: Marine species, NOEC

VALUE: <0.02 mg/L

SOURCE: Swedmark et al. (1971). International Programme on Chemical Safety Environmental Health Criteria 169 (1996), Linear Alkylbenzene Sulfonates and Related Compounds.

STUDY: Crustacean, NOEC

VALUE: 0.2-10 mg/L

SOURCE: Swedmark et al. (1971). International Programme on Chemical Safety Environmental Health Criteria 169 (1996), Linear Alkylbenzene Sulfonates and Related Compounds.

STUDY: Algae, NOEC

VALUE: 0.24-5 mg/L (depending on the organism and parameter tested)

SOURCE: Swedmark et al. (1971). International Programme on Chemical Safety Environmental Health Criteria 169 (1996), Linear Alkylbenzene Sulfonates and Related Compounds.

BIOACCUMULATIVE: No

STUDY: Bluegill (*Lepomis Macrochirus*); whole body, muscle, gall bladder; 0.5 mg/L; 21 days; aerated well water; ring labelled LAS (average chain length 11.7 (45% C11, 36.5% C12, 18.5% C13)); flow-through system

REMARKS: 1. All bioconcentration plateau levels (7-21 days)  
2. Highest bioconcentration factor of body organs

SOURCE: Kimerle, R.A. et al. (1981)

RAPIDLY DEGRADABLE: Yes

STUDY: Water, dissolved oxygen content, OECD screening test

RESULT: 66% decrease in dissolved oxygen content in 14 days, decreases linearly for 14 days and then levels off

SOURCE: Keck, E. and Grunwald, U. (1979)

#### BRONOPOL

##### ACUTE

STUDY: Opossum shrimp (*Mysid*), 48 h, EC<sub>50</sub>

VALUE: 1.6 mg/L

SOURCE: USEPA Office of Prevention, Pesticides, and Toxic Substances Database

STUDY: Rainbow trout, 96 h, LC<sub>50</sub>

VALUE: 20 mg/L

SOURCE: Ref No: 344. Office of Pesticide Programs (2000) Pesticide Ecotoxicity Database. Environmental Fate and Effects Division, USEPA, Washington, D.C. [ECOTOX]

##### CHRONIC

STUDY: Water flea (*Daphnia*), NOEL

VALUE: 0.56 mg/L

SOURCE: USEPA Office of Prevention, Pesticides, and Toxic Substances Database

---

## SECTION 13.

### Disposal Considerations

#### DISPOSAL

Triple rinse empty container before offering for recycling or disposal

---

SECTION 14.

## Transportation Information

UN NUMBER	Not hazardous for transport
SHIPPING NAME	Simms Jones Silk Laundry Liquid
DANGEROUS GOODS CLASS	Not hazardous for transport
UN PACKING GROUP	Not hazardous for transport
ENVIRONMENTAL HAZARDS	Harmful to aquatic life with long lasting effects
SPECIAL PRECAUTIONS	No special precautions required

---

SECTION 15.

## Regulatory Information

HSNO APPROVAL NUMBER	HSR002530
GROUP STANDARD	Cleaning Products (Subsidiary Hazard) Group 2017
SPECIAL REQUIREMENTS	Not Applicable

---

SECTION 16.

## Other Information

Date Issued: 11-9-2018

---

### ABBREVIATIONS

#### EC<sub>50</sub> (Half maximal effective concentration)

The concentration of a drug, antibody, or toxicant which induces a response halfway between the baseline and maximum after a specified exposure time.

#### EPA

United States Environmental Protection Authority

#### IC<sub>50</sub> (Inhibitor Concentration 50%)

The concentration of an inhibitor where the response is reduced by half.

#### LC<sub>50</sub> (Lethal Concentration 50%)

The concentration of a drug, antibody, or toxicant that kills half of a population.

#### NOEC / NOEL

No Observable Effect Concentration / No Observable Effect Level

#### OECD

Organisation of Economic Co-operation and Development

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any use.

Simms Jones Limited  
217 Lichfield St, Christchurch 8011, New Zealand  
PO Box 32054, Christchurch 8147, New Zealand

Phone +64 3 366 5769  
Fax +64 3 365 4727  
Freephone 0800 808 848

cleanser@simmsjones.co.nz  
simmsjones.co.nz