

**MATERIAL SAFETY DATA SHEET**

# Simms Jones Dishwash

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**SECTION 1.**

## Identification of the Substance and Supplier

<b>PRODUCTS APPLICABLE</b>	Simms Jones Dishwash / Dishwash MPI-Approved: 5L, 20L, 200L, 1000L
<b>PRODUCT USE</b>	Household/Industrial/Institutional: Cleaning product
<b>SUPPLIER</b>	Simms Jones Ltd, 217 Lichfield St, Christchurch
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<b>EMERGENCY CONTACT</b>	Craig Keenan 027 291 6181

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**SECTION 2.**

## Hazards Identification

### HAZARDS

Skin corrosion/irritation Category 2, Serious eye damage/eye irritation Category 2A,  
Skin sensitization, Aquatic toxicity (Acute) Category 2

### HAZARD STATEMENTS

Warning. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life.

### PREVENTION STATEMENTS

Read label before use. Wear protective gloves and eye/face protection. Wash hands thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace. 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: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use.  
Get medical attention if you feel unwell. If skin irritation occurs: Get medical attention.

### DISPOSAL STATEMENT

Triple rinse empty container before offering for recycling or disposal.

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

INGREDIENT	PROPORTION	CAS NUMBER
Sodium Dodecylbenzene Sulphonate	<15%	25155-30-0
Sodium Laureth Sulphate	<2%	68585-34-2
5-chlor-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one mixture (Acticide 14)	<1%	55965-84-9

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**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:** Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. Get medical attention if you feel unwell. If skin irritation occurs: Get medical attention.

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

<b>EXTINGUISHING MEDIA</b>	Foam, CO <sub>2</sub> , dry chemical, or water fog
<b>COMBUSTION PRODUCTS</b>	Oxides of carbon and sulphur
<b>FIRE-FIGHTING PROCEDURES</b>	Normal firefighting procedures may be used

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**SECTION 6.****Accidental Release Measures**

<b>EMERGENCY PROCEDURES</b>	No special procedures required
<b>ENVIRONMENTAL PRECAUTIONS</b>	No special precautions required
<b>SPILL CONTROL</b>	Collect leaking liquid in sealable containers, absorb liquid in inert absorbent, and wash contaminated area with plenty of water. NOTE: Spills are slippery.

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**SECTION 7.****Handling and Storage**

<b>HANDLING PRECAUTIONS</b>	Wear protective gloves and eye/face protection. Wash hands thoroughly after handling. Use all precautions for handling the product in handling the empty container and residue.
<b>STORAGE</b>	Store in a cool, dry place. Keep out of reach of children.

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## SECTION 8.

### Exposure Controls/Personal Protection

EXPOSURE LIMITS	No value assigned for this specific material by Worksafe
ENGINEERING CONTROLS	Ensure ventilation is adequate. Keep containers closed.
RESPIRATORY PROTECTION	No respiratory protection required
PROTECTIVE GLOVES	Nitrile rubber
EYE PROTECTION	Splash-proof goggles

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## SECTION 9.

### Physical and Chemical Properties

APPEARANCE	Thick, clear yellow liquid
ODOUR	Lemon
ODOUR THRESHOLD	Not Available
pH	7-8
MELTING POINT/FREEZING POINT	<0°C
INITIAL BOILING POINT	>100°C
FLASH POINT	Not Flammable
FLAMMABILITY	Not Flammable
FLAMMABILITY OR EXPLOSIVE LIMITS	Not Flammable
VAPOUR PRESSURE	Not Determined
VAPOUR DENSITY	Not Determined
RELATIVE DENSITY	1.02
SOLUBILITY	Completely miscible with water
PARTITION CO-EFFICIENT: n-OCTANOL/WATER	Not Determined
AUTO-IGNITION TEMPERATURE	Not Applicable
DECOMPOSITION TEMPERATURE	Not Determined
KINEMATIC VISCOSITY	Not Determined

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## SECTION 10.

### Stability and Reactivity

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

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SECTION 11.

## Toxicological Information

<b>ACUTE TOXICITY</b>	No acute effects
<b>SKIN CORROSION/IRRITATION</b>	Causes skin irritation
<b>SERIOUS EYE DAMAGE/IRRITATION</b>	Causes serious eye irritation
<b>RESPIRATORY OR SKIN SENSITISATION</b>	Skin 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

#### ACTICIDE 14

ACUTE

ORAL STUDY: Rat, LD<sub>50</sub>

VALUE: 481 mg/kg

SOURCE: Pharmakon 53193

DERMAL STUDY: Rat, LD<sub>50</sub>

VALUE: >1000 mg/kg

SOURCE: Pharmakon 53193

INHALATION STUDY: Rat, LC<sub>50</sub>

VALUE: 1.29 mg/L

SOURCE: THR 48/971458

CHRONIC

STUDY: OECD 414 / EPA 83-3a

RESULT: Non-teratogenic

STUDY: Bacteria, in vitro mutation, Ames-test OECD 471

RESULT: Non-mutagenic

SENSITISATION

SPECIES: Guinea pig

RESULT: Sensitising effect on skin

SOURCE: EPA Federal Insecticide, Fungicide, and Rodenticide Act, 81-6

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## SECTION 12.

### Ecological Information

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

#### SODIUM DODECYLBENZENE SULPHONATE ECOTOXICITY

##### 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)

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## SECTION 13.

### Disposal Considerations

<b>DISPOSAL</b>	Triple rinse empty container before offering for recycling or disposal
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SECTION 14.

## Transportation Information

UN NUMBER	Not hazardous for transport
SHIPPING NAME	Simms Jones Dishwash
DANGEROUS GOODS CLASS	Not hazardous for transport
UN PACKING GROUP	Not hazardous for transport
ENVIRONMENTAL HAZARDS	Toxic to aquatic life
SPECIAL PRECAUTIONS	No special precautions required

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SECTION 15.

## Regulatory Information

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

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SECTION 16.

## Other Information

Date Issued: 29-5-2018

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### 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

Unites 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

No Observable Effect Concentration

#### OECD

Organisation of Economic Co-operation and Development

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