

MATERIAL SAFETY DATA SHEET

Simms Jones Dishwash

SECTION 1.

Identification of the Substance and Supplier

PRODUCTS APPLICABLE	Simms Jones Dishwash / Dishwash MPI-Approved: 5L, 20L, 200L, 1000L
PRODUCT USE	Household/Industrial/Institutional: Cleaning product
SUPPLIER	Simms Jones Ltd, 217 Lichfield St, Christchurch
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E-MAIL	cleanser@simmsjones.co.nz
EMERGENCY CONTACT	Craig Keenan 027 291 6181

SECTION 2.

Hazards Identification

HAZARDS

Skin corrosion/irritation Category 2, Serious eye damage/eye irritation Category 2A, Skin sensitization

HAZARD STATEMENTS

Warning. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction.

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.

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.

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

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.

SECTION 5.**Fire-Fighting Measures**

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

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

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

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

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

SECTION 11.

Toxicological Information

ACUTE TOXICITY	No acute effects
SKIN CORROSION/IRRITATION	Causes skin irritation
SERIOUS EYE DAMAGE/IRRITATION	Causes serious eye irritation
RESPIRATORY OR SKIN SENSITISATION	Skin sensitisation
GERM CELL MUTAGENICITY	No data available
CARCINOGENICITY	Not carcinogenic
REPRODUCTIVE TOXICITY	No reproductive toxicity
SPECIFIC TARGET ORGAN TOXICITY	
-SINGLE EXPOSURE	No specific organ toxicity
-REPEATED EXPOSURE	No specific organ toxicity
ASPIRATION HAZARD	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, LD₅₀

VALUE: 481 mg/kg

SOURCE: Pharmakon 53193

DERMAL STUDY: Rat, LD₅₀

VALUE: >1000 mg/kg

SOURCE: Pharmakon 53193

INHALATION STUDY: Rat, LC₅₀

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

SECTION 12.

Ecological Information

BIODEGRADABILITY	Rapidly Degradable
BIOACCUMULATIVE POTENTIAL	Not Bioaccumulative
MOBILITY IN SOIL	Not Determined

SODIUM DODECYLBENZENE SULPHONATE ECOTOXICITY

ACUTE

STUDY: Cod (*Gadus morhua*), static, 96 h, LC₅₀

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, EC₅₀ (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, IC₅₀

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)

SECTION 13.

Disposal Considerations

DISPOSAL	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	Not Environmentally Hazardous
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: 11-12-2019

ABBREVIATIONS

EC₅₀ (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

IC₅₀ (Inhibitor Concentration 50%)

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

LC₅₀ (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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