

MATERIAL SAFETY DATA SHEET

Simms Jones All Purpose Spray and Wipe

SECTION 1.

Identification of the Substance and Supplier

PRODUCTS APPLICABLE	Simms Jones All Purpose Spray and Wipe: 5L, 20L, 200L
PRODUCT USE	Household/Industrial/Institutional: Cleaning product
SUPPLIER	Simms Jones Ltd, 217 Lichfield St, Christchurch
PHONE	(03) 366 5769
FAX	(03) 365 4727
E-MAIL	cleanser@simmsjones.co.nz
EMERGENCY CONTACT	Craig Keenan 027 291 6181

SECTION 2.

Hazards Identification

HAZARDS

Aquatic toxicity (Chronic) Category 3

HAZARD STATEMENT

Harmful to aquatic life with long lasting effects.

PREVENTION STATEMENTS

Read label before use. Avoid release to the environment.

DISPOSAL STATEMENT

Triple rinse empty container before offering for recycling or disposal.

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

INGREDIENT	PROPORTION	CAS NUMBER
Ethoxylated Octyl Phenol	<2%	9036-19-5
Ammonia	<1%	1336-21-6
Benzalkonium Chloride	<1%	68424-85-1

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 ON SKIN: Wash with plenty of soap and water.

SECTION 5.**Fire-Fighting Measures**

EXTINGUISHING MEDIA Foam, CO₂, dry chemical, or water fog
COMBUSTION PRODUCTS Toxic organic vapours, amines, oxides of carbon and nitrogen, and hydrogen chloride
FIRE-FIGHTING PROCEDURES Normal fire-fighting procedures may be used

SECTION 6.**Accidental Release Measures**

EMERGENCY PROCEDURES No special procedures required
ENVIRONMENTAL PRECAUTIONS Avoid release to the environment
SPILL CONTROL Collect leaking liquid in sealable containers, absorb liquid in inert absorbent, and wash contaminated area with plenty of water

SECTION 7.**Handling and Storage**

HANDLING PRECAUTIONS Those with sensitive skin should wear gloves. Product residue may remain on/in empty containers. 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	Not Determined
	Not Determined
ENGINEERING CONTROLS	Ensure ventilation is adequate. Keep containers closed.
RESPIRATORY PROTECTION	None required
PROTECTIVE GLOVES	Nitrile rubber
EYE PROTECTION	None required

SECTION 9.**Physical and Chemical Properties**

APPEARANCE	Clear pale pink liquid
ODOUR	Faint lavender
ODOUR THRESHOLD	Not Available
pH	10.5-11.0
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	0.99
SOLUBILITY	Completely miscible with water
PARTITION CO-EFFICIENT: n-OCTANOL/WATER	Not Determined
AUTO-IGNITION TEMPERATURE	Not Applicable
DECOMPOSITION TEMPERATURE	125°C
KINEMATIC VISCOSITY	9x10 ⁻⁷ m ² /s

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	Toxic organic vapours, amines, oxides of carbon and nitrogen, and hydrogen chloride

SECTION 11.

Toxicological Information

ACUTE TOXICITY	No acute effects
SKIN CORROSION/IRRITATION	No skin irritation
SERIOUS EYE DAMAGE/IRRITATION	No serious eye damage
RESPIRATORY OR SKIN SENSITISATION	No 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

BENZALKONIUM CHLORIDE TOXICITY

SENSITISATION

STUDY: Guinea pig, Buehler test, OECD Test Guideline 406

RESULT: Not sensitising

GENOTOXICITY IN VITRO

STUDY: Salmonella typhimurium, Ames test, OECD 471

RESULT: Negative

STUDY: Human lymphocytes, Chromosome aberration test, OECD 473

RESULT: Negative

SECTION 12.

Ecological Information

ETHOXYLATED OCTYL PHENOL

ECOTOXICITY

STUDY: Green algae (Selenastrum), 96 h, EC₅₀

VALUE: 0.21 mg/L

SOURCE: Lewis, M.A. (1986), Comparison of the Effects on Freshwater Phytoplankton Communities in Experimental Enclosures and on Algal Population Growth in the Lab. Environmental Toxicology and Chemistry, 5(3):319-332.

BIODEGRADABILITY Not Determined

BIOACCUMULATIVE POTENTIAL Not Determined

MOBILITY IN SOIL Not Determined

AMMONIA

ECOTOXICITY

STUDY: Coho salmon, flow-through, 96 h, LC₅₀

VALUE: 0.45 mg/L

SOURCE: Verschuereen, K., Handbook of Environmental Data of Organic Chemicals. 2nd edition. New York, NY: Van Nostrand Reinhold Co., 1983. (195)

STUDY: Water flea (Daphnia magna), 48 h, LC₅₀

VALUE: 0.66 mg/L

Source: Environment Canada; Tech Info for Problem Spills: Ammonia (Draft) p.86 (1983)

BIODEGRADABILITY Rapidly Degradable

BIOACCUMULATIVE POTENTIAL Not Bioaccumulative

MOBILITY IN SOIL Not Determined

BENZALKONIUM CHLORIDE

ECOTOXICITY

STUDY: Rainbow trout (*Oncorhynchus mykiss*), 96 h, LC₅₀

VALUE: 0.93 mg/L

STUDY: Fathead minnow (*Pimephales promelas*), 96 h, LC₅₀

VALUE: 0.28 mg/L

STUDY: Water flea (*Daphnia magna*), 48 h, EC₅₀

VALUE: 0.016 mg/L

STUDY: Green algae (*Pseudokirchneriella subcapitata*), 72 h, ErC₅₀

VALUE: 0.049 mg/L

STUDY: Activated sludge, respiration inhibition, 3 h, EC₅₀

VALUE: 7.75 mg/L

BIODEGRADABILITY

STUDY: OECD Confirmatory Test

VALUE: >90%

STUDY: CO₂ evolution

VALUE: 95.5%

STUDY: OECD 301 B

RESULT: Readily biodegradable

SECTION 13.

Disposal Considerations

DISPOSAL

Wash down drain.

Triple rinse empty container before offering for recycling or disposal.

SECTION 14.

Transportation Information

UN NUMBER

Not Hazardous for transport

SHIPPING NAME

All Purpose Spray & Wipe

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: 11-12-2019

ABBREVIATIONS

15 min STEL (Short-Term Exposure Limit)

The airborne concentration of a substance calculated as a time-weighted average over 15 minutes which must not be exceeded at any time during a normal eight-hour workday. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

8 h TWA (Time-Weighted Average)

The time-weighted average airborne concentration of a substance when calculated over an eight-hour working day for a five-day working week.

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.

ErC₅₀ (Half maximal effective rate concentration)

The concentration of a drug, antibody, or toxicant which results in a 50% reduction in growth rate after a specified exposure time.

LC₅₀ (Lethal Concentration 50%)

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

OECD

Organisation for Economic Co-operation and Development

UN

United Nations

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