

**MATERIAL SAFETY DATA SHEET**

# Simms Jones Disinfectant Cleaner

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**SECTION 1.**

## Identification of the Substance and Supplier

<b>PRODUCTS APPLICABLE</b>	Simms Jones Disinfectant Cleaner: 5L, 20L, 200L, 1000L
<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
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<b>EMERGENCY CONTACT</b>	Craig Keenan 027 291 6181

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**SECTION 2.**

## Hazards Identification

### HAZARDS

6.3B Skin corrosion/irritation Category 3, 6.4A Serious eye damage/eye irritation Category 2B,  
9.1C Aquatic toxicity (Chronic) Category 3

### HAZARD STATEMENTS

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

### PREVENTION STATEMENTS

Read label before use. 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.

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

INGREDIENT	PROPORTION	CAS NUMBER
Alcohols, C12-14, ethoxylated	<5%	68439-50-9
Benzalkonium Chloride	<5%	68424-85-1

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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:** 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>	None known
<b>FIRE-FIGHTING PROCEDURES</b>	Normal fire-fighting 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>	Avoid release to the environment
<b>SPILL CONTROL</b>	Collect leaking liquid in sealable containers, absorb liquid in inert absorbent, and wash contaminated area with plenty of water

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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. Product residue may remain on/in empty containers. Use all precautions for handling the product in handling the empty container and residue.
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<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**

<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>	None required
<b>PROTECTIVE GLOVES</b>	Nitrile rubber
<b>EYE PROTECTION</b>	Splash-proof goggles

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

<b>APPEARANCE</b>	Clear liquid
<b>ODOUR</b>	Distinctive odour
<b>ODOUR THRESHOLD</b>	Not Available
<b>pH</b>	5.5-8.5
<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>	1.0
<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>	8.9x10 <sup>-7</sup> m <sup>2</sup> /s

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

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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 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>	
-SINGLE EXPOSURE	No specific organ toxicity
-REPEATED EXPOSURE	No specific organ toxicity
<b>ASPIRATION HAZARD</b>	No aspiration hazard

### TOXICITY

#### BENZALKONIUM CHLORIDE

##### ACUTE ORAL TOXICITY

STUDY: Rat, LD<sub>50</sub>  
VALUE: 344 mg/kg

##### ACUTE DERMAL TOXICITY

STUDY: Rat, LD<sub>50</sub>  
VALUE: 3340 mg/kg

##### EYE DAMAGE

STUDY: Rabbit, DOT method, 24 h  
RESULT: Corrosive

##### SKIN DAMAGE

Causes skin burns

##### 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

#### DODECYL (C12) ALCOHOL ETHOXYLATE

STUDY: Human skin, 6mg, 3 days  
RESULT: Moderate irritation  
SOURCE: Toxicology Review. EPA TSCA Chemical Inventory, 1989.

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## SECTION 12.

### Ecological Information

<b>BIODEGRABILITY</b>	Not Biodegradable
<b>BIOACCUMULATIVE POTENTIAL</b>	Not Bioaccumulative
<b>MOBILITY IN SOIL</b>	Not Determined

#### BIODEGRADABILITY

##### BENZALKONIUM CHLORIDE

STUDY: OECD Confirmatory Test

VALUE: >90%

STUDY: CO<sub>2</sub> evolution

VALUE: 95.5%

STUDY: OECD 301 B

RESULT: Readily biodegradable

#### ECOTOXICITY

##### BENZALKONIUM CHLORIDE

STUDY: Rainbow trout (*Oncorhynchus mykiss*), 96 h, LC<sub>50</sub>

VALUE: 0.93 mg/L

STUDY: Fathead minnow (*Pimephales promelas*), 96 h, LC<sub>50</sub>

VALUE: 0.28 mg/L

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

VALUE: 0.016 mg/L

STUDY: Green algae (*Pseudokirchneriella subcapitata*), 72 h, ErC<sub>50</sub>

VALUE: 0.049 mg/L

STUDY: Activated sludge, respiration inhibition, 3 h, EC<sub>50</sub>

VALUE: 7.75 mg/L

##### ALCOHOLS, C12-C14, ETHOXYLATED

CLASSIFICATION: 9.1A

REMARK: Classification based on company data supporting this classification

R PHRASE: R50 Very toxic to aquatic organisms

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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

<b>UN NUMBER</b>	Not Hazardous for transport
<b>SHIPPING NAME</b>	Disinfectant Cleaner
<b>DANGEROUS GOODS CLASS</b>	Not Hazardous for transport
<b>UN PACKING GROUP</b>	Not Hazardous for transport
<b>ENVIRONMENTAL HAZARDS</b>	Harmful to aquatic organisms with long lasting effects
<b>SPECIAL PRECAUTIONS</b>	No special precautions required

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## SECTION 15.

### Regulatory Information

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

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## SECTION 16.

### Other Information

Date Issued: 11-12-2019

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## ABBREVIATIONS

### DOT

United States Department of Transportation

### 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 TSCA

United States Environmental Protection Agency Toxic Substances Control Act

### ErC<sub>50</sub> (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.

### LC<sub>50</sub> (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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