

MATERIAL SAFETY DATA SHEET

Simms Jones Disinfectant Cleaner

SECTION 1.

Identification of the Substance and Supplier

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| PRODUCTS APPLICABLE | Simms Jones Disinfectant Cleaner: 5L, 20L, 200L, 1000L |
| 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 | National Poisons Centre 0800 764 766 |

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.

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 |

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**

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| EXTINGUISHING MEDIA | Foam, CO ₂ , dry chemical, or water fog |
| COMBUSTION PRODUCTS | None known |
| FIRE-FIGHTING PROCEDURES | Normal fire-fighting procedures may be used |

SECTION 6.**Accidental Release Measures**

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|----------------------------------|--|
| 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**

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| HANDLING PRECAUTIONS | 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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| STORAGE | Store in a cool, dry place. Keep out of reach of children. |
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SECTION 8.

Exposure Controls/Personal Protection

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| EXPOSURE LIMITS | No value assigned for this specific material by Worksafe |
| ENGINEERING CONTROLS | Ensure ventilation is adequate. Keep containers closed. |
| RESPIRATORY PROTECTION | None required |
| PROTECTIVE GLOVES | Nitrile rubber |
| EYE PROTECTION | Splash-proof goggles |

SECTION 9.

Physical and Chemical Properties

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| APPEARANCE | Clear liquid |
| ODOUR | Distinctive odour |
| ODOUR THRESHOLD | Not Available |
| pH | 5.5-8.5 |
| 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 | 1.0 |
| SOLUBILITY | Completely miscible with water |
| PARTITION CO-EFFICIENT: n-OCTANOL/WATER | Not Determined |
| AUTO-IGNITION TEMPERATURE | Not Applicable |
| DECOMPOSITION TEMPERATURE | Not Determined |
| KINEMATIC VISCOSITY | 8.9x10 ⁻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

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|--|-----------------------------|
| ACUTE TOXICITY | No acute effects |
| SKIN CORROSION/IRRITATION | Causes mild skin irritation |
| SERIOUS EYE DAMAGE/IRRITATION | Causes eye irritation |
| 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 |

TOXICITY

BENZALKONIUM CHLORIDE

ACUTE ORAL TOXICITY

STUDY: Rat, LD₅₀
VALUE: 344 mg/kg

ACUTE DERMAL TOXICITY

STUDY: Rat, LD₅₀
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.

SECTION 12.

Ecological Information

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|----------------------------------|---------------------|
| BIODEGRABILITY | Not Biodegradable |
| BIOACCUMULATIVE POTENTIAL | Not Bioaccumulative |
| MOBILITY IN SOIL | Not Determined |

BIODEGRADABILITY

BENZALKONIUM CHLORIDE

STUDY: OECD Confirmatory Test

VALUE: >90%

STUDY: CO₂ evolution

VALUE: 95.5%

STUDY: OECD 301 B

RESULT: Readily biodegradable

ECOTOXICITY

BENZALKONIUM CHLORIDE

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

ALCOHOLS, C12-C14, ETHOXYLATED

CLASSIFICATION: 9.1A

REMARK: Classification based on company data supporting this classification

R PHRASE: R50 Very toxic to aquatic organisms

SECTION 13.

Disposal Considerations

| | |
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| DISPOSAL | Triple rinse empty container before offering for recycling or disposal |
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SECTION 14.

Transportation Information

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

SECTION 15.

Regulatory Information

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

SECTION 16.

Other Information

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ABBREVIATIONS

DOT

United States Department of Transportation

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 TSCA

United States Environmental Protection Agency Toxic Substances Control Act

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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