

SAFETY DATA SHEET

DETTOL ANTIBACTERIAL HOUSEHOLD GRADE DISINFECTANT

Infosafe No.: MSHBJ
ISSUED Date : 11/05/2023
ISSUED by: RECKITT BENCKISER (AUSTRALIA)
PTY LIMITED

Section 1 - Identification

Product Identifier

DETTOL ANTIBACTERIAL HOUSEHOLD GRADE DISINFECTANT

Product Code

SDS no. : D0075680

Company Name

RECKITT BENCKISER (AUSTRALIA) PTY LIMITED (ABN 17 003 274 655)

Address

680 George Street Sydney
NSW 2000 AUSTRALIA

Telephone/Fax Number

Tel: +61 (0)2 9857 2000

Emergency Phone Number

Australia - 13 11 26
New Zealand - 0800 764 766 or 0800 POISON

Recommended use of the chemical and restrictions on use

Product use: Antiseptic. Multipurpose Cleaner

Other Names

Name	Product Code
DETTOL ANTIBACTERIAL HOUSEHOLD GRADE DISINFECTANT	SDS no. : D0075680 v8.0
DETTOL ANTIBACTERIAL HOUSEHOLD GRADE DISINFECTANT	Formulation # : 3173593
DETTOL ANTIBACTERIAL HOUSEHOLD GRADE DISINFECTANT	Formulation # : 3173593

Additional Information

Poison Information contact: Australia - 13 11 26
New Zealand - 0800 764 766 or 0800 POISON

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Skin corrosion/irritation: Category 2
Eye damage/irritation: Category 2A
Sensitisation - skin: Category 1

Signal Word (s)

WARNING

Hazard Statement (s)

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

Pictogram (s)

Exclamation mark

**Precautionary Statement – Prevention**

Wear protective gloves.
 Wear eye protection/face protection.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wash hands thoroughly after handling.

Precautionary Statement – Response

IF ON SKIN: Wash with plenty of water.
 If skin irritation or rash occurs: Get medical advice/attention.
 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 advice/attention.

Precautionary Statement – Storage

Not Applicable

Precautionary Statement – Disposal

Dispose of contents/container to / in accordance with all local, regional, national and international regulations.

Precautionary Statement – General

Keep out of reach of children.
 If medical advice is needed, have product container or label at hand.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
PROPAN-2-OL	67-63-0	<=10 %(w/w)
Alpha-terpineol	98-55-5	<=10 %(w/w)
4-chloro-3,5-dimethylphenol	88-04-0	<=5 %(w/w)
Limonene	138-86-3	<=3 %(w/w)

Other Information

Substance/mixture : Mixture

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8(Exposure Controls/Personal Protection).

Section 4 - First Aid Measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Ingestion

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Advice to Doctor

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Indication of immediate medical attention and special treatment needed if necessary

Specific treatments : No specific treatment.

Protection for First Aiders

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Most important symptoms/effects, acute, delayed and aggravated medical conditions

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation: No specific data.

Skin contact: Adverse symptoms may include the following:

irritation

redness

Ingestion: No specific data.

Other Information

See toxicological information (Section 11 - Toxicological Information)

Section 5 - Firefighting Measures

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media

None known.

Hazards from Combustion Products

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

halogenated compounds

Special Protective Equipment for fire fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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Specific Methods

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Specific hazards arising from the chemical

No specific fire or explosion hazard.

Hazchem Code

Not applicable

Decomposition Temperature

Not available.

Section 6 - Accidental Release Measures

Personal Precautions

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources.

No flares, smoking or flames in hazard area. Do not breathe vapour or mist.

Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8(Exposure Controls/Personal Protection) on suitable and unsuitable materials. See also the information in 'For non-emergency personnel'.

Clean-up Methods - Small Spillages

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble.

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Clean-up Methods - Large Spillages

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13 - Disposal considerations). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 - Identification for emergency contact information and Section 13 - Disposal considerations for waste disposal.

Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Other Information

See Section 1 - Identification for emergency contact information.

See Section 8 - Exposure controls/personal protection for information on appropriate personal protective equipment.

See Section 13 - Disposal considerations for additional waste treatment information.

Section 7 - Handling and Storage

Precautions for Safe Handling

Protective measures : Put on appropriate personal protective equipment (see Section 8(Exposure Controls/Personal Protection)). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8(Exposure Controls/Personal Protection) for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 30°C (86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10(Stability and Reactivity) for incompatible materials before handling or use.

Storage Temperatures

Do not store above the following temperature: 30 °C

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

Australia:

propan-2-ol

Safe Work Australia (Australia, 12/2019).

STEL: 1230 mg/m³ 15 minutes.

STEL: 500 ppm 15 minutes.

TWA: 983 mg/m³ 8 hours.

TWA: 400 ppm 8 hours.

New Zealand

Isopropyl alcohol

NZ HSWA 2015 - GRWM 2016 (New Zealand, 11/2020).

WES-TWA: 400 ppm 8 hours.

WES-TWA: 983 mg/m³ 8 hours.

WES-STEL: 1230 mg/m³ 15 minutes.

WES-STEL: 500 ppm 15 minutes.

bornan-2-one

ACGIH TLV (United States, 1/2022). [Turpentine and selected monoterpenes] Skin sensitizer.

TWA: 20 ppm 8 hours.

Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Respiratory Protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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Eye and Face Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand Protection

Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygiene Measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing.

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Liquid	Colour	Amber.
Odour	Pine	Melting/Freezing Point	Not available.
Boiling Point	Not available.	Decomposition Temperature	Not available.
Solubility	cold water: Easily soluble hot water: Easily soluble	pH	9 to 10 [Conc. (% w/w): 5%]
Vapour Pressure	Not available.	Relative Vapour Density (Air=1)	Not available.
Evaporation Rate	Not available.	Physical State	Liquid. [Clear.]
Odour Threshold	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water (log value)	Not applicable.	Density	0.988 to 0.996 g/cm ³ [25°C (77°F)]
Flash Point	Closed cup: 40°C (104°F) [(does not support combustion @ 60.5°C)* *Test performed at Intertex Testing Services Ltd, Western Jetty, Immingham Dock, Immingham, carried out in accordance with International Air Transport Association Dangerous Goods Regulations, effective January 2002.] [Product does not sustain combustion.] *Test performed at Intertex Testing Services Ltd, Western Jetty, Immingham Dock, Immingham, carried out in accordance with International Air Transport Association Dangerous Goods Regulations, effective January 2002.] [Product does not sustain combustion.]	Flammability	Not available.
Auto-Ignition Temperature	Not available.	Flammable Limits - Lower	Not available.
Flammable Limits - Upper	Not available.	Explosion Limit - Upper	Not available.
Explosion Limit - Lower	Not available.	Initial boiling point and boiling range	Not available.
Relative Density	0.988 to 0.996	Particle Characteristics	Median particle size: Not applicable.

Section 10 - Stability and Reactivity

Reactivity

No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability

The product is stable.

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Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

No specific data.

Incompatible Materials

No specific data.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Toxicology Information

Acute toxicity:

Product/ingredient name / Result / Species / Dose

propan-2-ol / LD50 Dermal / Rabbit / 12800 mg/kg

LD50 Oral / Rat / 5000 mg/kg

alpha-Terpineol / LD50 Oral / Rat / 3.2 g/kg

4-chloro-3,5-dimethylphenol / LD50 Oral / Rat / 3830 mg/kg

Limonene / LD50 Oral / Rat / 5300 mg/kg

Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion:

Product/ingredient name / Result / Species / Exposure

propan-2-ol

Eyes - Moderate irritant / Rabbit / 10 mg

Eyes - Moderate irritant / Rabbit / 24 hours 100 mg

Eyes - Severe irritant / Rabbit / 100 mg

Skin - Mild irritant / Rabbit / 500 mg

alpha-Terpineol

Skin - Mild irritant / Rabbit / 4 hours 100 %

Skin - Severe irritant / Mouse / 50 %

4-chloro-3,5-dimethylphenol

Eyes - Moderate irritant / Rabbit / 100 mg

Sensitisation:

Not available.

Teratogenicity:

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Information on likely routes of exposure: Not available.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation: No specific data.

Skin contact: Adverse symptoms may include the following:

irritation

redness

Ingestion: No specific data.

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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects: Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects: Not available.

Potential delayed effects : Not available.

Numerical measures of toxicity

Acute toxicity estimates:

Route: Ora

ATE value: 10309.28 mg/kg

Ingestion

No known significant effects or critical hazards.

Inhalation

No known significant effects or critical hazards.

Skin

Causes skin irritation. May cause an allergic skin reaction.

Skin Corrosion/Irritation

Conclusion/Summary : Calculation method Causes skin irritation.

Eye

Causes serious eye damage.

Serious Eye Damage/Irritation

Conclusion/Summary : Calculation method Causes serious eye irritation.

Respiratory Sensitisation

Conclusion/Summary : Based on available data, the classification criteria are not met.

Skin Sensitisation

Conclusion/Summary : Calculation method May cause skin sensitisation.

Germ Cell Mutagenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Reproductive Toxicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

STOT - Single Exposure

Name / Category / Route of exposure / Target organs

propan-2-ol / Category 3 / - / Narcotic effects

STOT - Repeated Exposure

Not available.

Aspiration Hazard

Not available.

Respiratory Irritation

Conclusion/Summary : Based on available data, the classification criteria are not met.

Chronic Effects

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

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General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Germ Cell Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.

Section 12 - Ecological Information

Ecotoxicity

Product/ingredient name / Result / Species / Exposure
propan-2-ol

Acute EC50 7550 mg/l Fresh water / Daphnia - Daphnia magna -Neonate / 48 hours

Acute LC50 1400000 µg/l Marine water / Crustaceans - Crangon crangon / 48 hours

Acute LC50 4200 mg/l Fresh water / Fish - Rasbora heteromorpha / 96 hours

alpha-Terpineol

Acute LC50 6.3 mg/l Fresh water / Fish - Oncorhynchus kisutch -Juvenile (Fledgling, Hatchling, Weanling) / 96 hours

4-chloro-3,5-dimethylphenol

Acute EC50 4.5 mg/l Fresh water / Daphnia - Daphnia magna / 48 hours

Limonene

Acute EC50 28.2 mg/l Fresh water / Daphnia - Daphnia magna / 48 hours

Acute EC50 20.2 mg/l Fresh water / Fish - Pimephales promelas -Juvenile (Fledgling, Hatchling, Weanling) / 96 hours

Conclusion/Summary : Calculation method Harmful to aquatic life with long lasting effects.

Persistence and degradability

Product/ingredient name: alpha-Terpineol

Result: 80 % - Readily - 28 days

Biodegradability: Readily

Mobility

Mobility in soil

Soil/water partition coefficient (KOC): Not available.

Bioaccumulative Potential

Product/ingredient name / LogPow / BCF / Potential

propan-2-ol / 0.05 / - / low

alpha-Terpineol / 2.98 / - / low

4-chloro-3,5-dimethylphenol / 3.27 / - / low

Limonene / 4.57 / - / high

Other Adverse Effects

No known significant effects or critical hazards.

Section 13 - Disposal Considerations

Waste Disposal

The generation of waste should be avoided or minimised wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14 - Transport Information

Transport Information

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ADG

UN number: Not regulated.

ADR/RID

UN number: Not regulated.

IMDG

UN number: Not regulated.

IATA

UN number: Not regulated.

UN Number

None Allocated

Proper Shipping Name

None Allocated

Transport Hazard Class

None Allocated

Hazchem Code

Not applicable

Special Precautions for User

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

IATA UN Number

NCAD

IATA Proper Shipping Name

Not dangerous for conveyance under IATA code

IMDG UN Number

NCAD

IMDG Proper Shipping Name

Not dangerous for conveyance under IMO/IMDG code

Environmental Hazards

ADG

Environmental hazards: No.

ADR/RID

Environmental hazards: No.

IMDG

Environmental hazards: No.

IATA

Environmental hazards: No.

Additional Information

Transport in bulk according to IMO instruments

Not available.

Section 15 - Regulatory Information

Regulatory Information

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

HSNO Group Standard: Cosmetic Products

Approved Handler Requirement: No.

Tracking Requirement : No.

Poisons Schedule

Not Scheduled

HSNO Approval Number

HSR002552

Section 16 - Any Other Relevant Information

Literature References

Not available.

User Codes

User Title Label	User Codes
Wis Numbers	02228636
Wis Numbers	02228653
Wis Numbers	02228670

Other Information

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (July 2020).

SDS no. : D0075680

Formulation # : 3173593

NEW ZEALAND

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Key to abbreviations : ADG = Australian Dangerous Goods

ADG = Australian Dangerous Goods

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IBC = Intermediate Bulk Container

SUSMP = Standard Uniform Schedule of Medicine and Poisons

UN = United Nations

SWA = Safe Work Australia

HSNO = Hazardous Substances and New Organisms Act 1996

Procedure used to derive the classification:

Classification / Justification

SKIN CORROSION/IRRITATION - Category 2 / Calculation method

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A / Calculation method

SKIN SENSITISATION - Category 1 / Calculation method

Please read all labels carefully before using product.

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END OF SDS

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