

SAFETY DATA SHEET



1. Identification

Product name : Dettol Big & Strong Biodegradable Multipurpose Cleaning Wipes
SDS no. : D8357263
Formulation # : FIL 3084428; PMX 8273581
Supplier : AUSTRALIA
RECKITT BENCKISER (AUSTRALIA) PTY LIMITED
680 George St , Sydney, NSW 2000
Tel: +61 (02) 9857 2000

NEW ZEALAND
Reckitt Benckiser (New Zealand) Limited
2 Fred Thomas Drive, Takapuna,
Auckland, New Zealand 0622
Tel: +64 9 484 1400

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

Uses

Product use : Multipurpose Cleaner (Consumer use)

2 Hazard identification

Classification of the substance or mixture : LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

GHS label elements

Signal word : No signal word.

Hazard statements : Harmful to aquatic life with long lasting effects.

Precautionary statements

General : Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention : Wash hands thoroughly after handling.
Response : Not applicable.
Storage : Not applicable.
Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

3 Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | % (w/w) | Identifiers |
|---|---------|----------------------------------|
| ethanol | ≤3 | CAS: 64-17-5 EC: 200-578-6 |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | ≤1 | CAS: 68424-85-1 EC: 270-325-2 |

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.

3 Composition/information on ingredients

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.

4 First-aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

5 Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : 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.

5 Fire-fighting measures

- 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.
- Hazchem code** : Not applicable

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- 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. 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 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 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). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and material for containment and cleaning up

- Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7 Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. 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 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : 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 for incompatible materials before handling or use.

8 Exposure controls/personal protection

Control parameters

Australia

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------|---|
| ethanol | Safe Work Australia (Australia, 1/2024) TWA 8 hours: 1880 mg/m ³ . TWA 8 hours: 1000 ppm. |

Biological exposure indices

No exposure indices known.

New Zealand

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------|---|
| ethanol | HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 11/2023) Ototoxicant. WES-TWA 8 hours: 200 ppm. WES-TWA 8 hours: 380 mg/m ³ . WES-STEL 15 minutes: 1520 mg/m ³ . WES-STEL 15 minutes: 800 ppm. |

Biological exposure indices

No exposure indices known.

- Appropriate 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.

Individual protection measures

- 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/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: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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.

8 Exposure controls/personal protection

- 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.
- 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.

9 Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Solid. [Presaturated Wipes]
- Colour** : White.
- Odour** : Fragrant.
- Odour threshold** : Not available.
- pH** : 10 to 11 [Conc. (% w/w): 100%] (Liquid concentrate)
- Melting point/freezing point** : Not available.
- Boiling point or initial boiling point and boiling range** : Not available.
- Flash point** : Not applicable.
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not applicable.
- Vapour pressure** : Not available.
- Relative vapour density** : Not applicable.
- Relative density** : Not available.
- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not applicable.
- Decomposition temperature** : Not available.
- Viscosity** : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Particle characteristics

- Median particle size** : Not available.

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.
- 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.

10 Stability and reactivity

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

11 Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|------------------------|---------|--------------------------|----------|
| Big & Strong Kitchen Cleaning Wipes_D8357263 (ANZ) | LC50 Inhalation Vapour | Rat | >2.2 mg/l | 14 days |
| ethanol | LD50 Dermal | Rat | >5050 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| | LC50 Inhalation Vapour | Rat | 124700 mg/m ³ | 4 hours |
| | LD50 Oral | Rat | 7 g/kg | - |
| | LD50 Dermal | Rabbit | 2848 mg/kg | - |
| | LD50 Dermal | Rabbit | 3413 mg/kg | - |
| | LD50 Oral | Rat | 344 mg/kg | - |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | LD50 Oral | Rat | 398 mg/kg | - |

Conclusion/Summary : Not classified. * Information is based on toxicity test result of the concentrate of a similar product.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|------------------------------------|---------|-------|----------------------------|-------------|
| Big & Strong Kitchen Cleaning Wipes_D8357263 (ANZ) | Eyes - Non-irritating to the eyes. | Rabbit | 0 | - | - |
| ethanol | Skin - Non-irritant to skin. | Rabbit | 0 | - | - |
| | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Eyes - Moderate irritant | Rabbit | - | 0.066666667 minutes 100 mg | - |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Eyes - Moderate irritant | Rabbit | - | 100 uL | - |
| | Skin - Mild irritant | Rabbit | - | 400 mg | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 20 mg | - |
| | Skin - Severe irritant | Rabbit | - | 25 mg | - |

Conclusion/Summary

Skin : Non-irritant to skin. * Information is based on toxicity test result of the concentrate of a similar product.

Eyes : Non-irritating to the eyes. * Information is based on toxicity test result of the concentrate of a similar product.

Respiratory : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

11 Toxicological information

| Product/ingredient name | Route of exposure | Species | Result |
|---|-------------------|------------|-----------------|
| Big & Strong Kitchen Cleaning Wipes_D8357263 (ANZ) | skin | Guinea pig | Not sensitizing |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | skin | Guinea pig | Not sensitizing |

Conclusion/Summary

Skin : Non-sensitizer to skin. * Information is based on toxicity test result of the concentrate of a similar product.

Respiratory : Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|---|---|---|----------|
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | OECD 471 Bacterial Reverse Mutation Test | Experiment: In vitro Subject: Bacteria | Negative |
| | OECD 473 In vitro Mammalian Chromosomal Aberration Test | Experiment: In vitro Subject: Mammalian-Animal | Negative |
| | OECD 476 In vitro Mammalian Cell Gene Mutation Test | Experiment: In vitro Subject: Mammalian-Animal | Negative |

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.

Teratogenicity

Not available.

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

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

11 Toxicological information

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

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.

Potential chronic health effects

Not available.

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

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.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

12 Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---------------------------------------|--|----------|
| ethanol | Acute EC50 3306 mg/l Marine water | Algae - <i>Ulva pertusa</i> | 96 hours |
| | Acute EC50 1074 mg/l Fresh water | Crustaceans - <i>Cypris subglobosa</i> | 48 hours |
| | Acute LC50 5680 mg/l Fresh water | Daphnia - <i>Daphnia magna</i> - Neonate | 48 hours |
| | Acute LC50 11000000 µg/l Marine water | Fish - <i>Alburnus alburnus</i> | 96 hours |
| | Chronic NOEC 4.995 mg/l Marine water | Algae - <i>Ulva pertusa</i> | 96 hours |
| | Chronic NOEC 100 µl/L Fresh water | Daphnia - <i>Daphnia magna</i> - Neonate | 21 days |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Acute EC50 0.016 mg/l | Daphnia | 48 hours |
| | Acute LC50 64 ppb Fresh water | Fish - <i>Oncorhynchus mykiss</i> | 96 hours |

12 Ecological information

| | | | |
|--|-------------------------|-------|----------|
| | Chronic EC10 0.009 mg/l | Algae | 72 hours |
|--|-------------------------|-------|----------|

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

Persistence and degradability

Conclusion/Summary : The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| ethanol | - | - | Readily |
| quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | - | - | Readily |

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| ethanol | -0.35 | - | Low |

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

13 Disposal considerations

Disposal methods : 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 non-recyclable 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14 Transport information

| | ADG | ADR/RID | IMDG | IATA |
|-----------------------------------|----------------|----------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - | - |
| Transport hazard class(es) | - | - | - | - |
| Packing group | - | - | - | - |

14 Transport information

| Environmental hazards | No. | No. | No. | No. |
|-----------------------|-----|-----|-----|-----|
|-----------------------|-----|-----|-----|-----|

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.

Transport in bulk according to IMO instruments : Not available.

15 Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

Not scheduled

Australia inventory of Industrial Chemicals (AIIC) : All components are listed or exempted.

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

HSNO Group Standard : Cleaning Products (Subsidiary Hazard)

HSNO Approval Number : HSR002530

Approved Handler Requirement : No.

Tracking Requirement : No.

16 Other information

Key to abbreviations :

- 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

Date of issue / Date of revision : 15/09/2025

Version : 1
(Version for updated GHS Revision 7 PSDS Template)

Procedure used to derive the classification

| Classification | Justification |
|---|--------------------|
| LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 | Calculation method |

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

16 Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Please read all labels carefully before using product.