

PRODUCT SAFETY DATA SHEET



1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name:

DETTOL Disinfectant Liquid - Pine

Product Format:

Liquid Disinfectant

Product Use:

A multi-use dilutable liquid disinfectant

Supplier in UK:

Reckitt Benckiser
Wellcroft House
Wellcroft Road
Slough,
Berkshire
SL1 4AQ

Supplier in The Republic Of Ireland:

Reckitt Benckiser Ireland Ltd
7 Riverwalk
Citywest Business Campus
Dublin 24
Ireland

Contact Telephone: 0845 769 7079

Contact Telephone: 01 661 7318

Contact Email: consumer.relations-ukroi@reckittbenckiser.com

Date Issued:	RB Ref No:	Issue:	RB parent code:	Revisions:
06 Jul 2011	2514721301	1	D0102862 v3 + 0345421 v1	New Product

2. HAZARDS IDENTIFICATION.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) Xi - Irritant

Most important hazards

R-phrase(s) R41 - Risk of serious damage to eyes.
R38 - Irritating to skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

This product contains:

Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification	CLP Classification
Propan-2-ol	67-63-0	EINECS: 200-661-7	No information available	1 % - 5 %	F; R11 Xi; R36 R67	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)
Benzyl-dimethyl-tetradecylazanium chloride	68424-85-1	EINECS: 270-325-2	No information available	1 % - 2.5 %	C;R22-34 N;R50	Skin Corr. 1B (H314) Acute Tox. 4 (H302) Aquatic Acute 1 (H400)

Other ingredients may be present as being disclosed by the ingredient declaration on package.

For the full text of the R phrases / H-Statements mentioned in this Section, see Section 16.



4. FIRST-AID MEASURES.

General advice	Get medical attention immediately if symptoms occur. Show the container and / or this safety data sheet to the doctor in attendance.
Skin Contact	After contact with skin, wash immediately with plenty of water. If skin irritation persists, call a physician.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Inhalation	Move to fresh air.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically
Protection of First-aiders	Use personal protective equipment.
Aggravated Medical Conditions: None known.	

5. FIRE-FIGHTING MEASURES.

Flash point:	62° C (144° F)
Suitable Extinguishing Media:	As suitable for the surrounding fire.
Unsuitable Extinguishing media:	No information available.
Specific Hazards Arising from the Chemical:	Combustible material. Risk of ignition. Keep product and empty container away from heat and sources of ignition.
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.
Precautions for fire-fighting	Standard procedure for chemical fires.



6. ACCIDENTAL RELEASE MEASURES.

- Personal Precautions:** Ensure adequate ventilation.
Remove all sources of ignition.
Use personal protective equipment.
Avoid contact with the skin and the eyes.
- Environmental Precautions:** Prevent product from entering drains.
Local authorities should be advised if significant spillages cannot be contained.
- Methods for Cleaning up:** Small spillage:
Wear suitable protective equipment.
Soak up with inert absorbent material.
Dispose of in an appropriate waste container such as household trash
Clean contaminated surface thoroughly.
Large spills: Contain and collect for later disposal according to local, provincial, state or federal regulations.
- Methods for Containment:** Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE.

- Handling:** Ensure adequate ventilation. Read label before use. Use only according to our recommendations. For external use only. Avoid contact with eyes. Wash hands after handling. Do not ingest.
- Storage:** Store in original container in areas inaccessible to small children and pets.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from open flames, hot surfaces and sources of ignition
- Storage Classification** See chapter 14

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Chemical Name	EU	Germany TRGS900:	German mak:	France - OEL	Belgium - OEL	Netherlands - OEL
Propan-2-ol 67-63-0		TWA: 200 ppm	MAK: 200 ppm	VLCT: 400 ppm	STEL: 400 ppm	

Chemical Name	Norway - OEL	UK - OES	Portugal - OEL	Spain - OEL	Sweden - OEL	Austria - OEL
Propan-2-ol 67-63-0	TWA: 100 ppm	500	STEL: 400 ppm	VLA-EC: 500 ppm	STV: 250 ppm	STEL: 800 ppm

Chemical Name	Finland - OEL	Italy - OEL



Empty spaces in the table above, indicate there is no exposure limit data available for that particular chemical in that particular country / region.

Occupational exposure controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protection The recommendations for personal protection given in this section of the safety data sheet are relevant for handling and usage of large quantities of unpacked material only.

Respiratory Protection: No special protective equipment required. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapors generated by this product during a spill or other clean-up operations.

Eye Protection Wear eye/face protection.

Hand Protection: For sensitive skin or prolonged use, wear rubber gloves.

Skin and Body Protection: Usual safety precautions while handling the product will provide adequate protection.

Hygiene measures When using, do not eat, drink or smoke.
Wash hands after use to prevent possible eye and skin irritation from accidental contact with any residue on the hands.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained.

9. PHYSICAL AND CHEMICAL PROPERTIES.



Physical State:	Liquid.
Appearance:	Clear liquid
Colour:	Colourless
Odour:	Characteristic of variant
pH	5.00 - 6.00
Boiling Point/Range:	No information available
Melting point/range	Not applicable
Solubility:	Water solubility: completely soluble.
Specific Gravity / Density [g/mL]:	~ 1.00
Flash Point:	> 62°C / > 144°F

10. STABILITY AND REACTIVITY.

Stability	Stable under normal conditions.
Conditions to Avoid:	Store away from excessive heat and moisture. Keep away from open flames, hot surfaces and sources of ignition
Incompatible products	<ul style="list-style-type: none">• Do not mix with other household chemicals
Hazardous Decomposition Products:	Oxides of carbon and unknown organic compounds.
Polymerization:	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION.



PRODUCT TOXICITY DATA

LD₅₀ Oral: No information available

LD₅₀ Dermal: No information available

LC₅₀ Inhalation (Dust): No information available

LC₅₀ Inhalation (Vapor): No information available

ACUTE EFFECTS

Eye Irritation Risk of serious damage to eyes.

Skin Irritation Irritating to skin.

Inhalation None expected during normal conditions of use.

Ingestion Health injuries are not known or expected under normal use.
May be harmful if swallowed. See Section 4 for First Aid instructions.

Sensitization Not expected to be a skin sensitiser.

Chronic Effects No information available

Specific Effects

Carcinogenic Effects: Not listed as carcinogenic by OSHA, NTP or IARC.

Mutagenic Effects No information available.

Reproductive Toxicity: No information available.

Additional Toxicity Information: Information given is based on data on the components and the toxicology of similar products.

COMPONENT TOXICITY DATA

Chemical Name	CAS-No	LD50 Oral - with units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Propan-2-ol	67-63-0	4396 mg/kg (Rat)	12800 mg/kg (Rat)	72.6 mg/L (Rat) 4 h
Benzyl-dimethyl-tetradecylazanium chloride	68424-85-1	426 mg/kg (Rat)	no data available	no data available

12. ECOLOGICAL INFORMATION.

Ecotoxicity:

PRODUCT TOXICITY DATA

Aquatic toxicity: This product is not classified as an environmental hazard.

COMPONENT TOXICITY DATA

Propan-2-ol

Freshwater Algae > 1000 mg/L EC50 72 h
Water Flea = 13299 mg/L EC50 48 h

Other Information

Ozone depletion potential; ODP; No information available.
(R-11 = 1)

Global Warming Potential (GWP): No information available.

Additional Ecological Information: Any contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.

13. DISPOSAL CONSIDERATIONS.

Disposal Methods and Containers: Bulk quantities of product must be disposed of according to Local, State and Federal regulations.

Special Precautions for Landfill or Incineration: No information available.

Contaminated Packaging: Dispose of empty container in household trash.

For bulk quantities dispose of in accordance with local, regional or national requirements. For further information contact your local waste authority.

Further information: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Waste codes should be assigned by the user based on the application for which the product was used.

Packaging and container to be recycled only if emptied completely!

EWC waste disposal No: No information available.

14. TRANSPORT INFORMATION.

General remarks	Not classified as dangerous in the meaning of transport regulations. For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG / IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION.

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

In accordance with local and national regulations: The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) **Xi - Irritant**

Xi



R -phrase(s) R41 - Risk of serious damage to eyes
R38 - Irritating to skin

S -phrase(s) S 2 - Keep out of the reach of children
S25 - Avoid contact with eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28 - After contact with skin, wash immediately with plenty of water.
S39 - Wear eye/face protection
S46 - If swallowed, seek medical advice immediately and show this container or label



16. OTHER INFORMATION.

Text of R phrases mentioned in Section 3

- R11 - Highly flammable.
- R22 - Harmful if swallowed.
- R34 - Causes burns.
- R36 - Irritating to eyes.
- R50 - Very toxic to aquatic organisms.
- R67 - Vapors may cause drowsiness and dizziness.

Text of H phrases mentioned in Section 3

- H225 - Highly flammable liquid and vapor
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H319 - Causes serious eye irritation
- H336 - May cause drowsiness or dizziness
- H400 - Very toxic to aquatic life

This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product. All information contained herein is only to assist the recipient in fulfilling their statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive, and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product, for which they remain the sole person responsible.