

## 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

**Trade Name:**

DETTOL Disinfectant Liquid - Lavender and Orange Oil

**Product Format:**

DETTOL® DISINFECTANT (LIQUID)

**Product Use:**

A multi-use dilutable liquid disinfectant.

**Supplier in UK**

Reckitt Benckiser (Household) Ltd  
Delta Business Park  
1200 Welton Road  
Swindon  
Wiltshire  
SN5 7XZ

tel: 0845 7697079

**Distributor In Republic Of Ireland:**

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

tel: 01 661 7318

**Date Issued**

11 April 08

**Reference**

D0102862 v1

**Issue**

1

**Changes**

New product

## 2. HAZARDS IDENTIFICATION.

Classification

Indication of danger:



Classification of Preparation / Substance:

IRRITANT

Most important hazards

R -phrase(s):

R36 - Irritating to skin.  
R41 - Risk of serious damage to eyes.

1141-189c (Lavender & Orange Oil) - Fragrance contains Linalool, Hexyl Cinnamal, Citronellol, and Benzyl Salicylate.

1141-171c (Sea Minerals) - Fragrance contains Limonene, Butylphenyl Methylpropional, Benzyl Salicylate, Citronellol, and Hexyl Cinnamal.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

Chemical nature of the preparation Liquid dilutable household disinfectant.

HAZARDOUS COMPONENTS

Components:	CAS-No	EINECS-No	Wt %	Classification:
ISOPROPYL ALCOHOL	67-53-0	200-661-7	1-5	Xi R36, R67. F: R11.
BENZALKONIUM CHLORIDE 50%	68424-85-1	270-325-2	1-5	C; R34, R22, N; R50.
FRAGRANCE 1141-169C	N/A, MIXTURE	None.	0-0.5	Xi; R43, R52/53
FRAGRANCE 1141-170C	N/A, MIXTURE	None.	0-0.1	Xi; R43, R52/53.
FRAGRANCE 1141-171C	N/A, MIXTURE	None.	0-0.5	Xn; R65, Xi; R43, R38, N; R51/53

## 4. FIRST-AID MEASURES.

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General advice:	Show the container and / or this safety data sheet to the doctor in attendance.
Inhalation:	Move to fresh air.
Skin contact:	Wash off contamination with plenty of water. If symptoms develop or persist seek medical advice
Eye contact:	In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. Get IMMEDIATE medical attention!
Ingestion:	If swallowed, seek medical advice immediately and show this container or label.
Protection of first-aiders:	If injured individual has clothing that is contaminated with the product, wear gloves and avoid contact with your eyes. Wash your hands with soap and water after the injured person is no longer in your care to prevent possible eye irritation from contact with any residue on your hands.
Aggravated Medical Conditions:	None known.

## 5. FIRE-FIGHTING MEASURES.

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Flash point:	62° C (144° F).
Suitable extinguishing media:	As suitable for surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available.
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:	Combustible product.
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES.

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Personal precautions:	Wear appropriate personal protective equipment.
Environmental precautions:	Prevent product from entering drains.
Methods for cleaning up:	Small spills: Soak up with an inert absorbent material and dispose of in an appropriate waste container such as household trash. Rinse surface residue and flush to sink or sanitary sewer.  Combustible liquid. Eliminate all sources of ignition and ventilate the area with equipment rated for use in flammable environments.  Large spills should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.

## 7. HANDLING AND STORAGE.

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Technical measures/precautions: CAUTION: EYE and SKIN IRRITANT.  
Risk of serious damage to eyes.  
Do not get in eyes, on skin or on clothing.  
For occupational exposures wear appropriate eye and skin protection where the potential for splashing exists.  
Combustible liquid.  
Use only as directed!  
Read container label instructions carefully.

Safe handling advice: Avoid contact with eyes and skin.  
Keep away from open flames, hot surfaces and sources of ignition.  
Use only in well-ventilated areas.  
Read and follow product label instructions.  
Wear personal protective equipment (eye and skin) if contact with the liquid is possible.

### Storage:

Technical measures/storage conditions: Store containers in an upright position in a cool, dry area, inaccessible to small children and pets.  
KEEP OUT OF REACH OF CHILDREN

Incompatible products: No special restrictions on storage with other products.

Specific use(s): A liquid antiseptic and disinfectant.

Packaging material: Packed in a container as an individual retail product.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

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### Occupational exposure controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

### Exposure limit values

#### *ISOPROPYL ALCOHOL*

Germany TRGS900:	- 200 ppm TWA - 500 mg/m <sup>3</sup> TWA
Germany (DFG) - MAK	- 200 ppm MAK - 500 mg/m <sup>3</sup> MAK
France - Valeurs Limites d'exposition (VLE)	- 400 ppm VLE - 980 mg/m <sup>3</sup> VLE
Belgium - 8 Hr VLE	- 400 ppm VLE - 997 mg/m <sup>3</sup> VLE
Netherlands - OEL - MACs:	- 250 ppm MAC - 650 mg/m <sup>3</sup> MAC
Norway - 8 Hr:	- 100 ppm OEL - 245 mg/m <sup>3</sup> OEL
Portugal - TWAs	- 400 ppm TWA
Spain - Valores Limite Ambientales - VLE	- 400 ppm VLA-ED - 998 mg/m <sup>3</sup> VLA-ED
Sweden - OEL - 8 Hour	- 150 ppm LLV - 350 mg/m <sup>3</sup> LLV
Austria - MAKs	- 200 ppm MAK - 500 mg/m <sup>3</sup> MAK
Finland - Occupational Exposure Limits - 8 hour	- 200 ppm TWA - 500 mg/m <sup>3</sup> TWA

### Personal protective equipment

Respiratory protection:	No personal respiratory protective equipment normally required. Use in a well-ventilated area. 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.
Hand protection:	Skin irritant. Avoid contact with the skin. For sensitive skin or prolonged use, wear rubber gloves. Emergency responders should wear impermeable gloves.
Eye protection:	Eye irritant. Risk of serious damage to the eyes. Wear eye / face protection. Emergency responders should wear full eye and face protection.
Skin and body protection:	In case of continuous exposure or occupational operations, wear lightweight protective Clothing.
Hygiene measures	When using, do not eat, drink or smoke.
Environmental exposure controls	
Local authorities should be advised if significant, large quantity spillages cannot be contained.	

## 9. PHYSICAL AND CHEMICAL PROPERTIES.

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### General Information

Physical state:	Liquid.
Appearance:	Clear.
Colour:	Colourless
Odour:	Fragrances are scent specific. See container label for scent description.

### Important Health Safety and Environmental Information

pH:	5.0 - 6.0
Flash point:	62° C (144° F)
Flammability (solid, gas):	Not applicable.
Explosive properties:	Not applicable.
Oxidising properties:	No information available
Vapour pressure:	No information available.
Relative density:	No information available
Specific Gravity:	Approximately 1.0
Solubility:	
Water Solubility:	Complete.

## 10. STABILITY AND REACTIVITY.

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Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Combustible liquid! Keep away from excessive heat, sparks and open flame.
Materials to avoid:	None known.
Hazardous decomposition products:	Oxides of carbon and unknown organic compounds.
Polymerization:	Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION.

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### Product Information

#### Local effects

Skin irritation:	Skin irritant.
Eye irritation:	Eye irritant. Risk of serious damage to eyes.
Inhalation	None expected during normal conditions of use.
Ingestion	Health injuries are not known or expected under normal use.
Sensitization	Not expected to be a skin sensitiser.
Chronic toxicity:	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 Information	Information is based on data on the components and the toxicology of similar products.

## 12. ECOLOGICAL INFORMATION.

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### Ecotoxicity effects

Ecological Information: No data available.

### Product information

Aquatic toxicity: No information available.

### Component information:

#### *ISOPROPYL ALCOHOL*

Ecotoxicity: = 35390 mg/L EC50 *Photobacterium phosphoreum*  
= 81200 mg/L LC50 fathead minnow (31 days old) flow-through  
= 94900 mg/L LC50 fathead minnow (29 days old) flow-through

#### *BENZALKONIUM CHLORIDE 50%*

Ecotoxicity: No information available.

#### *FRAGRANCE 1141-169C*

Ecotoxicity: No information available.

#### *FRAGRANCE 1141-170C*

Ecotoxicity: No information available.

#### *FRAGRANCE 1141-171C*

Ecotoxicity: No information available.

### Other information:

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

Global warming potential (GWP) = No information available.

Additional ecological information: This product is not hazardous to the environment according to EC criteria.

## 13. DISPOSAL CONSIDERATIONS.

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Waste from residues / unused products: Dispose of in accordance with local regulations.

Contaminated packaging: Dispose of empty container in household trash.

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.

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

Web site address (EU): [www.rbeuroinfo.com](http://www.rbeuroinfo.com)

## 14. TRANSPORT INFORMATION.

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UN-No: Not Regulated.

### ADR / RID

Classification: Not regulated. Not a Hazardous good.  
Subsidiary risk: Not applicable.  
Hazard Identification Number: Not applicable.  
CEPIC Tremcard No: Not applicable.

### IMDG / IMO

Classification: Not regulated. Not a Hazardous good.  
Proper shipping name: Not applicable.  
Subsidiary risk: Not applicable.  
Marine pollutant: Not applicable.  
EMS: Not applicable.

### ICAO \ IATA

Classification: Not regulated. Not a Hazardous good.  
Proper shipping name: Not applicable.  
Subsidiary risk: Not applicable.  
Packing Group: Not applicable.  
Maximum quantity: Not applicable.

## 15. REGULATORY INFORMATION.

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Indication of danger:

Xi - IRRITANT



R-Phrase(s):

R38 - Irritating to skin.  
R41 - Risk of serious damage to eyes.

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.  
S29 - 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.

Ingredient Declaration:

Contains less than (<) 5% EDTA Salts.  
Contains disinfectant.  
Perfume.

Fragrance Lavender & Orange Oil (1141-160c) contains Linalool, Hexyl Cinnamal, Citronellol, and Benzyl Salicylate.

Fragrance Sea Minerals (1141-171c) contains Limonene, Butylphenyl Methylpropional, Benzyl Salicylate, Citronellol, and Hexyl Cinnamal.

## 16. OTHER INFORMATION.

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### Text of R Phrases mentioned in Section 2

Risk Phrases:	<ul style="list-style-type: none"><li>• R10 - Flammable.</li><li>• R11 - Highly flammable.</li><li>• R21 - Also harmful in contact with skin.</li><li>• R22 - Harmful if swallowed.</li><li>• R34 - Causes burns.</li><li>• R36 - Irritating to eyes.</li><li>• R43 - May cause sensitization by skin contact.</li><li>• R50 - Very toxic to aquatic organisms.</li></ul>
Risk Combination Phrases:	<ul style="list-style-type: none"><li>• R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li></ul>
Reason for revision:	This is a new product.
Prepared by:	Reckitt Benckiser (U.S.) Inc. Product Safety Department 1 Philips Parkway Montvale, New Jersey 07646-1810 USA. Phone: 201-573-8381 FAX: 201-476-7770.

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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.