

# PRODUCT SAFETY DATA SHEET



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

### **Trade Name:**

DETTOL Antibacterial Surface Cleanser

### **Product Format:**

Liquid in trigger bottle

### **Product Use:**

Surface disinfectant cleaner

### **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  
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10 Jan 2011	2523700001	1	SD EU v3 + 158954 v6	New issue

## 2. HAZARDS IDENTIFICATION.

- 2.1 **For Humans** (additional information is given under item 11):  
Not classified according to 1999/45/EC.
- 2.1.1 **Inhalation:**  
May cause irritation of the respiratory system by inhaling aerosol released during triggering.
- 2.1.2 **Skin/Eye Contact:**  
May cause irritation of eyes and skin.
- 2.1.3. **Ingestion:**  
May cause irritation of the digestive system, nausea and possible vomiting.
- 2.3 **For the Environment:**  
Product may soil public waters by consumption of oxygen.
- 2.3 **For Materials:**  
None expected. Test materials/surfaces at inconspicuous areas first.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS.

- 3.1 **Chemical Characterisation:**  
Aqueous solution of surfactants.
- 3.2 **Dangerous Ingredients:**  
No dangerous ingredient present above 0.5%.

The classification and labelling of this preparation is given in chapter 15, explanation of R-phrases: see chapter 16.

## 4. FIRST-AID MEASURES.

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- 4.1 **Immediate Medical Attention:**  
Medical attention required, if adverse effects persist after application of first aid measures displayed in this chapter.
- 4.2 **Inhalation:**  
After inhalation of aerosol or fumes of fire leave contaminated area and provide for fresh air. If symptoms persist, call physician.
- 4.3 **Skin Contact:**  
  
In case of contact with skin wash off with water. If symptoms develop or persist, call physician.
- 4.4 **Eye Contact:**  
In case of contact with eyes rinse thoroughly for at least 15 minutes with water.  
If symptoms persist, consult physician.
- 4.5 **Ingestion:**  
Rinse mouth out and drink plenty of water. Do not induce vomiting. Consult immediately physician and show label or container.
- 4.6 **Note to Physician:**  
No specific antidotes known. Symptomatic treatment.
- 4.7 **Special Equipment:**  
n.av.

## 5. FIRE-FIGHTING MEASURES.

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- 5.1 **Suitable Extinguishing Media:** Water spray jet, foam, dry chemicals, CO<sub>2</sub>.
- 5.2 **Extinguishing Media to Avoid:** None.
- 5.3 **Fire and Explosion Hazard:**  
In case of fire, product may form: organic crack products, carbon and other oxides.
- 5.4 **Additional Information:**  
This material is not combustible, use extinguishing media appropriate for surrounding fire.
- 5.5 **Special Protective Equipment:**  
Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES.

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- 6.1 **Personal Precautions:**  
See No. 8.3 Personal Protective Equipment. High risk of slipping due to leakage / spillage of product.
- 6.2 **Environmental Precautions and Methods for Cleaning up:**  
Do not allow larger quantities to enter drainage. Soak up with absorbent material (sand, earth, sawdust or other inert material). Flush away residues with water. Inform responsible authorities after accidental conduction of larger quantities.
- 6.3 **Further Information:** None.

## 7. HANDLING AND STORAGE.

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- 7. **Handling and Storage (for national regulations refer to item 10.2)**
- 7.1 **Handling**
- 7.1.1 **Precautions for Safe Handling:**  
No special measures necessary if used/handled correctly.
- 7.1.2 **Precautions in Case of Fire and Explosion:**  
None.
- 7.2 **Storage**
- 7.2.1 **Storage Instructions:**  
Store in a cool, dry, well ventilated area and frost free place. Keep out of reach of children.
- 7.2.2 **Store away from:**  
Do not store together with oxidizing agents or alkalis.
- 7.2.3 **Further Information on Storage Conditions:**  
None.
- 7.2.4 **Storage Class:** 12, non combustible liquid, following VCI – Concept, Germany.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

8.1	<b>Information on System Design:</b> Provide personal protective equipment.				
8.2	<b>Exposure Limits:</b>				
8.2.1	<table border="0"> <thead> <tr> <th style="text-align: left;">Material</th> <th style="text-align: left;">Limit Value:</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-</td> </tr> </tbody> </table>	Material	Limit Value:	-	-
Material	Limit Value:				
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8.3	<b>Personal Protective Equipment</b>				
8.3.1	<b>General Protection and Hygiene:</b> Do not smoke, eat or drink while working. Avoid contact with eyes and skin. Take off contaminated, saturated clothing immediately.				
8.3.2	<b>Respiratory Protection:</b> None necessary under normal conditions of use.				
8.3.3	<b>Hand Protection:</b> None necessary under normal conditions of use. In case of prolonged contact wear PVC or rubber gloves. Permeation level 6 and Penetration level 3 following EN 374 taking into consideration the exposure of diluted aqueous solution of surfactants.				
8.3.4	<b>Eye Protection:</b> None necessary under normal conditions of use. In case of possible splashing wear safety goggles.				
8.3.5	<b>Skin Protection:</b> None required under normal conditions of use. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.				
8.3.6	<b>Further Information:</b> Refer to special restrictions in wearing protective equipment.				

## 9. PHYSICAL AND CHEMICAL PROPERTIES.

9.1	<b>Appearance</b>
9.1.1	<b>Form:</b> liquid
9.1.2	<b>Colour:</b> uncoloured
9.1.3	<b>Odour:</b> perfumed
9.2	<b>Safety Relevant Data</b>
9.2.1	pH-value, undiluted: 9.3 – 10.3
9.2.2	Flash point (°C, c.c.): > 100°C
9.2.3	Density (25°C, g/ml): 0.966 - 1.006
9.2.4	Solubility (in Water): completely soluble
9.2.5	Viscosity (mPas): water like
9.2.6	Solvent content (m %): none
9.3	<b>Further Data</b>
9.3.1	Vapour density (Air = 1): n.ap.
9.3.2	Evaporation rate: n.ap.

## 10. STABILITY AND REACTIVITY.

10.1	<b>Conditions to Avoid:</b> No special measures necessary if used correctly.
10.2	<b>Materials to Avoid:</b> No special measures necessary if used correctly.
10.3	<b>Hazardous Decomposition Products:</b> No dangerous decomposition products when properly handled.
10.4	<b>Further Information:</b> Do not mix with other household cleaners.

## 11. TOXICOLOGICAL INFORMATION.

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- 11.1 **Toxicological Tests:**
- 11.1.1 **Acute Health Effects:**
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|--|---|
| Inhalation, LC <sub>50</sub> rat, (mg/l/4h):   | n.av.   |
| Ingestion, LD <sub>50</sub> rat, (mg/kg):      | > 2000 (calculated, based on raw material data) |
| Skin - contact, LD <sub>50</sub> rat, (mg/kg): | n.av.   |
| Irritation (to skin / eye):                    | May cause irritation of eyes and skin.          |
| Sensitisation:                                 | n.av.   |
- 11.1.2 **Subacute / Chronic Toxicity:**
- |                   |       |
|-------------------|-------|
| Carcinogenicity:  | n.av. |
| Mutagenicity:     | n.av. |
| Teratogenicity:   | n.av. |
| Narcotic Effects: | None. |
- 11.2 **Practical Experience**
- 11.2.1 Observations relevant for classification:  
None.
- 11.2.2 Further Observations:  
None.
- 11.3 **General Remarks:**  
Classification of the preparation has been done by calculation in accordance with EEC directives.

## 12. ECOLOGICAL INFORMATION.

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- 12.1 **Ecotoxic Effects, Aquatic Toxicity:**  
According to present knowledge no negative ecological reactions are to be expected.
- 12.2 **Behaviour in Sewage Works :**  
Mobility and Accumulation Potential: n.av.
- 12.3 **Elimination (Persistence and Degradability) :**  
The surfactants incorporated comply with the requirements of the European Detergents Regulation 648/2004/EC.
- 12.4 **Other Ecological Information**
- |  |       |
|--|-------|
| 12.4.1 COD-Value, mg/g :               | n.av. |
| 12.4.2 BOD <sub>5</sub> -Value, mg/g : | n.av. |
| 12.4.3 AOX-Remarks :                   | n.ap. |
| 12.4.4 Significant Components :        | None. |
| 12.4.5 Other adverse effects :         | None. |

## 13. DISPOSAL CONSIDERATIONS.

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- 13.1 **Residues**
- 13.1.1 Recommendation following 75/442/EEC and amendments: Landfill or incineration.  
Waste - Code - No.: 20 01 29 (Detergents containing dangerous substances)  
In addition comply with the regional regulations.
- 13.1.2 Safe Handling: See item 7 and 15.
- 13.2 **Contaminated Packaging**
- 13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.
- 13.2.2 Safe Handling: As described under Residues.

## 14. TRANSPORT INFORMATION.

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- 14.1 **Transportation by Road or Railway** according to ADR/GGVS and RID/GGVE  
Remarks: No dangerous goods according to ADR.
- 14.2 **Classification for Transportation by Inland-Navigation** according to ADNO/GGVBinSch  
Remarks: Classification has not been done.
- 14.3 **Classification for Transportation by Vessels** according to IMDG/GGVSee  
Remarks: No dangerous goods according to IMDG.

## 15. REGULATORY INFORMATION.

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- 15.1 **Classification according to EEC-Regulations:**  
 Classification required by EEC: no  
 Hazard Identification: -  
 Hazard Symbol(s): -  
 Component(s): -  
**R-Phrases:**  
 None  
**S-Phrases:**  
 None
- Additional markings may appear on pack (see chapter 16).
- 15.1.1 The above mentioned labelling is valid for distribution to private consumer.  
 Labelling (formats, exemptions and additional markings) has to be done according to respective regulations.

## 16. OTHER INFORMATION.

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**Risk-Phrases allocated to ingredients mentioned in chapter 3:**  
 None

**AISE Safety Icons/Phrases**



Keep away from children.

This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current knowledge if 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.