

PRODUCT SAFETY DATA SHEET



1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name: DETTOL Complete Clean Antibacterial Mould & Mildew

Product Format: Liquid in a trigger bottle

Product Use: Mould & mildew remover

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

Hours of Operation: 08:30 - 16:30 weekdays

Contact Telephone: 01 661 7318

Hours of Operation: 09:00 - 17:00 weekdays

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

Date Issued: 17 Jan 2012 **RB Ref No:** 2519200002 **Issue:** 2 **RB parent code:** 20380 - SD EU v9 **Revisions:** New MSDS version

2. HAZARDS IDENTIFICATION.

The preparation is classified as dangerous in accordance with Directive 1999/45/EC

Classification and hazard labelling

Symbol(s) Xi - Irritant

Most important hazards

Risk Combination Phrases R36/38 - Irritating to eyes and skin

Labelling



Warning! Do not use together with other products. May release dangerous gases (chlorine)

S -phrase(s) S 2 - Keep out of the reach of children
 S23 - Do not breathe vapor
 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.
 S35 - This material and its container must be disposed of in a safe way
 S46 - If swallowed, seek medical advice immediately and show this container or label
 S51 - Use only in well ventilated areas

Safety Combination Phrases S24/25 - Avoid contact with skin and eyes

3. COMPOSITION / INFORMATION ON INGREDIENTS.

This product contains:

Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification	CLP Classification
Sodium hypochlorite	7681-52-9	EINECS: 231-668-3	No information available	1 - 5 %	R31 C, R34 N, R50	Skin Corr. 1B (H314) B Aquatic Acute 1 (H400) B

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.

Description of 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 symptoms persist, 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. If symptoms develop or persist, seek medical advice.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. 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.

Most Important Symptoms and Effects

Signs and symptoms	No information available
Chronic effects:	No information available
Medical Attention and Special Treatment	Treat symptomatically.

5. FIREFIGHTING MEASURES.

Suitable Extinguishing Media:	As suitable for the surrounding fire.
Unsuitable Extinguishing media:	No information available.
Specific Hazards Arising from the Chemical:	Thermal decomposition can lead to release of irritating gases and vapours.
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. 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:	Wear personal protective equipment. Small spills: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container. 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:	Read label before use Use only in well-ventilated areas Avoid contact with skin and eyes Wear personal protective equipment Wash hands after handling DO NOT mix with bleach or other household cleaning products
Storage:	Keep locked-up Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container in areas inaccessible to small children and pets. Keep out of the reach of children.
Storage Classification	8 (= Corrosive, following German VCI-concept)
Recommended use	Mould and Mildew Remover

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Control parameters

No European exposure limit data available for the component chemicals listed in section 3 for this product.

Occupational exposure controls

Engineering Controls:	Ensure adequate ventilation. Maintain air concentrations below exposure standards.
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.

Personal Protective Equipment

Respiratory Protection:	No personal respiratory protective equipment normally required. Use only with adequate ventilation. 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:	Wear suitable gloves
Skin and Body Protection:	In case of continuous exposure or occupational operations, wear lightweight protective clothing. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

Environmental exposure controls

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Clear Liquid.
Colour:	Light yellow
Odour:	Characteristic of variant
pH	12.2 - 12.8
Alkaline Reserve [g NaOH/100g]	1.2
Melting point/range	Not relevant
Boiling Point/Range:	no data available
Flash Point:	> 93.3°C
Evaporation Rate:	Not relevant
Flammability Limits in Air:	
Lower Flammable / Explosive Limit in Air:	Not relevant
Upper Flammable / Explosive Limit in Air:	Not relevant
Vapour pressure:	Not applicable
Vapour density	Not applicable
Specific Gravity / Density [g/mL]:	1.01 - 1.04
Solubility:	Water solubility: completely soluble.
Fat solubility:	Not relevant
Autoignition Temperature:	Not relevant
Viscosity:	Not relevant

OTHER INFORMATION No further information available

10. STABILITY AND REACTIVITY.

Stability

Stability Stable under normal conditions.

Reactivity Hazard

Reactivity data: No data available

Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Store away from excessive heat and moisture. Temperatures above 40 °C

Incompatible products Incompatible with acids. Warning! Do not use together with other products. May release dangerous gases (chlorine). With most metals.

Hazardous Decomposition Products: Oxides of carbon and unknown organic compounds. Chlorine



11. TOXICOLOGICAL INFORMATION.

PRODUCT TOXICITY DATA

LD ₅₀ Oral:	No information available
LD ₅₀ Dermal:	No information available
LC ₅₀ Inhalation (Dust):	No information available
LC ₅₀ Inhalation (Vapor):	No information available

ACUTE EFFECTS

Eye Irritation	Irritating 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. Contains Sodium hypochlorite and Sodium hydroxide. Maybe harmful if swallowed. See Section 4 for First Aid instructions.
Sensitization	Not expected to be a skin sensitizer.

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
Sodium hypochlorite	7681-52-9	8200 mg/kg (Rat)	10000 mg/kg (Rabbit)	no data available

12. ECOLOGICAL INFORMATION.

Ecotoxicity:

Ecological Information:	No data available.
Aquatic toxicity:	This product is not classified as an environmental hazard.

COMPONENT TOXICITY DATA

Sodium hypochlorite (7681-52-9) <i>Freshwater Algae</i>	EC50 = 0.095 mg/L 24 h
<i>Freshwater Fish</i>	LC50 0.22 - 0.62 mg/L Pimephales promelas 96 h LC50 = 5.9 mg/L Pimephales promelas 96 h
<i>Water Flea</i>	EC50 = 2.1 mg/L 96 h

<u>PBT and vPvB assessment</u>	Not required
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Other Information

Ozone depletion potential; ODP; (R-11 = 1) Not applicable.

Global Warming Potential (GWP): Not applicable.

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



13. DISPOSAL CONSIDERATIONS.

Disposal Methods and Containers:	Dispose of according to Local, State and Federal regulations.
Special Precautions for Landfill or Incineration:	No information available.
Contaminated Packaging:	Empty container can be disposed of as household trash or rinsed and recycled where appropriate. 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:	200129 - detergents containing dangerous substances

14. TRANSPORT INFORMATION.

General remarks	For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.
ADR	
UN-No:	UN3266
Proper shipping name:	Corrosive liquid, basic, inorganic, n.o.s (Sodium Hypochlorite, Sodium Hydroxide)
Hazard Class	8
Packing group:	III
ADR Hazard ID Number	80
ADR/RID-Labels	8 (If not LQ)
ADR/RID Limited Qty	5 L
RID	See ADR
ADN	Not applicable.
IMDG / IMO	
UN-No	UN3266
Proper Shipping Name	Corrosive liquid, basic, inorganic, n.o.s (Sodium Hypochlorite, Sodium Hydroxide)
Hazard Class	8
Packing Group	III
EmS:	F-A, S-B
Special Provisions	Not applicable
Marine Pollutant	Not applicable
Limited Quantity IMDG	5 L
Stowage and segregation	Category D "Separated from acids and alkalis"
Remarks:	clear of living quarters.
ICAO	See IATA
IATA	
UN-No:	UN3266
Proper shipping name:	Corrosive liquid, basic, inorganic, n.o.s (Sodium Hypochlorite, Sodium Hydroxide)
Hazard Class	8
Subsidiary Class	Not applicable.
Packing group:	III
Maximum Quantity:	See DG List and applicable packing instruction.
Remarks:	Requirements from States or Airlines may differ.

15. REGULATORY INFORMATION.

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

Germany, Water Endangering Classes (VwVWS):

WGK Value	Not relevant
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16. OTHER INFORMATION.

Risk Phrases:

R31 - Contact with acids liberates toxic gas.

R34 - Causes burns.

R50 - Very toxic to aquatic organisms.

Text of H phrases mentioned in Section 3

H314 - Causes severe skin burns and eye damage

H400 - Very toxic to aquatic life

Reason for revision: Addition of formula. Update or revision of the PSDS.

Additional advice: This product should only be used as directed on the label and for the purpose intended.

Voluntary Labelling Consumer Information using one or more icons following the A.I.S.E. Charter for Sustainable Development may be displayed on packages additionally.

The Product Identification Code (in Section 1) is in conformance with EN 15178 for the identification of products in emergency enquiries.

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.