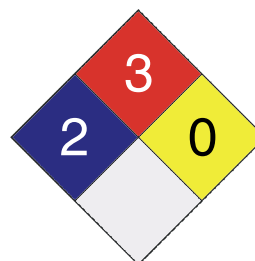


### 1. Product and Company Identification

<b>Product Name</b>	Dettol
<b>UPC CODES</b>	Refer to Section 16
<b>CAS #</b>	Mixture
<b>Product Use</b>	Antiseptic
<b>Distributed By</b>	Reckitt Benckiser (Canada) Inc. 1680 Tech Avenue Unit #2 Mississauga, ON L4W 5S9 In Case of Emergency: 1-800-888-0192 Transportation Emergencies: 24 Hour Number: North America: CHEMTREC: 1-800-424-9300 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	3
Physical Hazard	0
Personal Protection	B



### 2. Hazards Identification

<b>Emergency Overview</b>	WARNING Poison. For external use only. HARMFUL IF SWALLOWED. Avoid contact with eyes. Keep out of reach of children.
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Eyes</b>	May cause eye irritation. Avoid contact with eyes.
<b>Skin</b>	Discontinue use (as an antiseptic) if rash or irritation occurs. Do not use undiluted on skin.
<b>Inhalation</b>	None expected.
<b>Ingestion</b>	Poison. Harmful if swallowed. For external use only.
<b>Target organs</b>	Eyes. Respiratory system. Skin.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Signs and symptoms</b>	Eye irritation

### 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
4-chloro-3,5-xyleneol	88-04-0	3 - 7
Pine oil	8002-09-3	5 - 10
Isopropanol	67-63-0	7 - 13

### 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	If splashed in eyes, immediately rinse eyes with plenty of water, remove any contact lenses and continue rinsing eyes for at least 15 minutes. Consult a physician or get medical attention.
<b>Skin contact</b>	Discontinue use (as an antiseptic) if rash or irritation occurs.

<b>Inhalation</b>	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
<b>Ingestion</b>	If swallowed, give one glass of milk or water. Seek medical aid or contact Poison Control Centre.
<b>Notes to physician</b>	Contains pine oil.
<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

## 5. Fire-fighting Measures

<b>Flammable properties</b>	Combustible by WHMIS criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical. Foam. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

## 7. Handling and Storage

<b>Handling</b>	WARNING. POISON. Combustible liquid. For external use only. HARMFUL IF SWALLOWED. Avoid contact with eyes. Discontinue use (as an antiseptic) if rash or irritation occurs. Do not use undiluted on skin. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials. Keep away from heat, open flames or other sources of ignition.

## 8. Exposure Controls / Personal Protection

<b>Exposure limit values</b>	<b>Exposure limit values</b>
<b>Ingredient(s)</b>	
4-chloro-3,5-xlenol	<b>ACGIH-TLV</b> Not established
Isopropanol	<b>ACGIH-TLV</b> TWA: 200 ppm STEL: 400 ppm
Pine oil	<b>ACGIH-TLV</b> Mist: 5 mg/m3

<b>Engineering controls</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Avoid contact with eyes. When handling in large quantities or responding to emergency situations, the use of appropriate eye protection is recommended. Emergency responders should wear full eye and face protection.
<b>Hand protection</b>	May cause mild skin irritation after prolonged or repeated use. Emergency responders should wear impermeable gloves.
<b>Skin and body protection</b>	No special requirements under normal use conditions. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
<b>Respiratory protection</b>	Not normally required under normal use conditions. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.
<b>General hygiene considerations</b>	Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Clear.
<b>Colour</b>	Brown
<b>Form</b>	Liquid
<b>Odour</b>	Characteristic Pine / Phenolic
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	9.5 (Basic)
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Flash point</b>	40 °C (104.00 °F) Tagliabue
<b>Evaporation Rate</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	0.98 (Water =1)
<b>Relative density</b>	Not available
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Miscible
<b>Auto-ignition temperature</b>	Not available
<b>VOC (Weight %)</b>	Not available
<b>Viscosity</b>	Not available
<b>Percent volatile</b>	Not available

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## 10. Stability and Reactivity

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<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
4-chloro-3,5-xyleneol	6.29 mg/l/4h rat
Isopropanol	16970 mg/l/4h rat
Pine oil	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
4-chloro-3,5-xyleneol	3830 mg/kg rat
Isopropanol	4396 mg/kg rat
Pine oil	3200 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	May cause eye irritation. Avoid contact with eyes.
<b>Skin</b>	Discontinue use (as an antiseptic) if rash or irritation occurs. Do not use undiluted on skin.
<b>Inhalation</b>	None expected.
<b>Ingestion</b>	Poison. Harmful if swallowed. For external use only.
<b>Sensitisation</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>ACGIH - Threshold Limit Values - Carcinogens</b>	
Isopropanol	67-63-0 A4 - Not Classifiable as a Human Carcinogen
<b>IARC - Group 3 (Not Classifiable)</b>	
Isopropanol	67-63-0 Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Synergistic Materials</b>	Not available

## 12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.	
Ecotoxicity - Freshwater Algae Data		
Isopropanol	67-63-0	96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L
Ecotoxicity - Freshwater Fish Species Data		
4-chloro-3,5-xylenol	88-04-0	96 Hr LC50 Oncorhynchus mykiss: 0.13-1.0 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 1.3-2.1 mg/L [static]
Isopropanol	67-63-0	96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L
Ecotoxicity - Water Flea Data		
4-chloro-3,5-xylenol	88-04-0	48 Hr EC50 Daphnia magna: 6.7 - 9 mg/L [Static]
Isopropanol	67-63-0	48 Hr EC50 Daphnia magna: 13299 mg/L
Pine oil	8002-09-3	48 Hr EC50 Daphnia magna: 17 - 28 mg/L [Flow through]
Environmental effects	Not available	
Aquatic toxicity	Not available	
Persistence and degradability	Not available	
Bioaccumulation/accumulation	Not available	
Partition coefficient	Not available	
Mobility in environmental media	Not available	
Chemical fate information	Not available	
Other adverse effects	Not available	

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## 13. Disposal Considerations

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<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Review federal, provincial, and local government requirements prior to disposal.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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**UN/ID No. UN 1993**

**U.S. Department of Transportation (DOT)**

Not Regulated by ground transport - See 49 CFR 173.150 (F)

**Transportation of Dangerous Goods (TDG - Canada)**

Not Regulated by ground transport - See TDG Part 1.33

**IMDG (Marine Transport)**

UN 1993, Flammable Liquid N.O.S (Isopropyl alcohol, Pine Oil), Class 3, PG III, Limited Quantity, (Flashpoint 40°C)

UN 1993, Flammable Liquid N.O.S (Isopropyl alcohol, Pine Oil), Class 3, PG III, Limited Quantity or Consumer Commodity, ID 8000 if acceptable to the air carrier

## 15. Regulatory Information

**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Product Registration:** Registered with TPD, DIN 00373435

### Canada - WHMIS - Ingredient Disclosure List

Isopropanol 67-63-0 1 %

**WHMIS classification** Exempt - Registered product - (DIN 00373435)

### Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

**Disclaimer** This product should only be used as directed on the label and for the purpose intended. 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.

**Further information** 56200-77834 - Dettol - 1L - 930666  
56200-00405 - Dettol - 500mL- 930666  
56200-03408 - Dettol - 250mL- 930666  
56200-00425 - Dettol - 125mL- 930666

**Issue date** 26-Mar-2010

**Effective Date** 15-Mar-2010

**Expiry Date** 15-Mar-2013

**Prepared by** Reckitt Benckiser Regulatory Department 800-333-3899

**Other Information** For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.