



# MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

Print date: 09-Feb-2009

## 1. PRODUCT AND COMPANY IDENTIFICATION

**MSDS Number** D0049616

**Commercial Product Name** Lysol® Brand I.C.™ Antimicrobial Soap, Ready-To-Use (liquid)

**Validation/Revision Date:** 09-Feb-2009

**Formula Number:** 1017-148 (0048948)

**UPC Code(s) and Size:** 36241-95717 (17.5 oz.)  
36241-95701 (1 gal)

**Product Description:** Health care personnel handwash.

**Manufacturer:** Reckitt Benckiser Inc.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, New Jersey 07054-0225  
Telephone: +1 973 404 2600

**Emergency Telephone Number:** 1-800-228-4722 (U.S.)

**Transportation Emergencies:** 1-800-424-9300 (U.S. & Canada) CHEMTREC  
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Proportion (% w/w)	ACGIH - Occupational Exposure Limits - TWAs	OSHA PEL
5-chloro-2-(2,4-dichlorophenoxy)phenol 3380-34-5	0.1 - 1 %	-	-

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**3. HAZARDS IDENTIFICATION**
**EMERGENCY OVERVIEW:**

WARNING:

For external use only.

Avoid contact with eyes.

**KEEP OUT OF REACH OF CHILDREN**
**4. FIRST AID MEASURES**

<b>Inhalation</b>	Move to fresh air
<b>Skin Contact</b>	None under normal use. Wash hands thoroughly after handling.
<b>Eye Contact</b>	Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.
<b>Ingestion</b>	Rinse mouth with water. Call a physician or Poison Control Center immediately.
<b>Notes to Physician</b>	Treat symptomatically
<b>Protection of First-aiders</b>	Use personal protective equipment.

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**5. FIRE-FIGHTING MEASURES**

<b>Flash point:</b>	CLOSED CUP: Higher than 93.3° C (>200° F). [Tagliabue].
<b>Flammability Limits in Air:</b>	
<b>Lower</b>	No information available.
<b>Upper</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Suitable Extinguishing Media:</b>	As suitable for surrounding fire.
<b>Extinguishing Media which must not be used for safety reasons:</b>	No information available.
<b>Specific hazards:</b>	Not applicable.
<b>Unusual hazards:</b>	None known.
<b>Special Protective Equipment for Fire Fighters:</b>	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.
<b>Precautions for Fire Fighters:</b>	Standard procedure for chemical fires.

**NFPA:**      **Health Hazard:** 0      **Flammability:** 0      **Instability:** 0

**HMIS:**      **Health Hazard:** 0      **Flammability:** 0      **Reactivity:** 0

**Key:**      Personal Protection Index = A.  
(Also see Sections 3 & 8)

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	Ensure adequate ventilation.
<b>Environmental Precautions:</b>	Do not allow material to contaminate ground water system.
<b>Methods for Cleaning Up</b>	Small spills: Wearing appropriate protective equipment, soak up with an inert absorbent material and dispose of in an appropriate waste container. Rinse surface residue and flush to sink or sanitary sewer.

**7. HANDLING AND STORAGE**

<b>Safe Handling Advice:</b>	Use only as directed on the container label. Avoid contact with eyes. Wash hands thoroughly after handling For external use only.
<b>Storage:</b>	Store in original container in areas inaccessible to small children and pets. Store at room temperature Keep from freezing Keep out of the reach of children.

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**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL
5-chloro-2-(2,4-dichlorophenoxy)phenol 3380-34-5	-	-

**Engineering Controls:** For occupational exposures, ensure adequate ventilation.

**Personal Protective Equipment**

**Respiratory Protection:** None required under normal usage.

**Hand Protection:** Repeated or prolonged contact:  
Impervious gloves.

**Eye Protection:** Safety glasses.

**Skin and Body Protection:** Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.

**Hygiene Measures:** Avoid contact with the eyes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid.  
**Appearance:** Thick liquid.  
**Colour:** White  
**Odour:** Citrus  
Green  
Floral.

**pH** 6.2 - 7.2

**Flash Point:** > 93°C / > 200°F  
**Autoignition Temperature:** No information available.  
**Specific gravity [g/mL]:** 1.01 - 1.03  
**Vapour Pressure:** Not determined.  
**Solubility:** Water solubility: Soluble.

**Explosion limits:**

**- upper:** No data available.  
**- lower:** No data available.

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under recommended storage conditions.

**Conditions to Avoid:** None known.

**Materials to Avoid:** None known.

**Hazardous Decomposition Products:** None known.

**Polymerization:** Hazardous polymerisation does not occur.

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**11. TOXICOLOGICAL INFORMATION**
**PRODUCT TOXICITY DATA**

**LD<sub>50</sub> Oral:** 20719 mg/kg (rat) estimated  
**LD<sub>50</sub> Dermal:** 52631578 mg/kg (rat) estimated  
**LC<sub>50</sub> Inhalation (Dust):** No information available  
**LC<sub>50</sub> Inhalation (Vapor):** No information available

**Acute Effects:**

**Eye Irritation** None expected during normal use.  
 May cause eye irritation upon direct contact with eyes.  
**Skin Irritation** None expected during normal conditions of use.  
**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.

**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 is based on available component data and toxicity result of similar products.

**COMPONENT TOXICITY DATA**

Chemical Name	CAS#	LD50 Oral - With Units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
5-chloro-2-(2,4-dichlorophenoxy)phenol	3380-34-5	3700 mg/kg ( Rat )		

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**12. ECOLOGICAL INFORMATION**
**PRODUCT TOXICITY DATA**

Aquatic toxicity: No information available

**COMPONENT TOXICITY DATA**

 5-chloro-2-(2,4-dichlorophenoxy)phenol  
 3380-34-5 (0.1 - 1 %)

<b>Freshwater Algae</b>	-
<b>Freshwater Fish</b>	-
<b>Microtox</b>	-
<b>Water Flea</b>	-

**Other Information**

 Ozone Depletion Potential (ODP) (R-11 = 1):  
 Global Warming Potential (GWP):

 No information available.  
 No information available.

**Additional Ecological Information:**

Information given is based on data on the components and the ecotoxicology of similar products.

**13. DISPOSAL CONSIDERATION S**

Waste from residues / unused products:

Dispose of in accordance with local regulations.

Contaminated Packaging:

Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

**14. TRANSPORT INFORMATION**

<b>DOT</b>	Not regulated
<b>TDG</b>	Not regulated
<b>MEX</b>	Not applicable.
<b>ICAO</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated
<b>RID</b>	Not applicable.
<b>ADR</b>	Not applicable.
<b>ADN</b>	Not applicable.

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**15. REGULATORY INFORMATION**

Chemical Name	PICCS	TSCA	DSL	NDSL	ENCS	CHINA	AICS	ENECS/ ELINCS	South Africa STELs
5-chloro-2-(2,4-dichlorophenoxy)phenol		Present	X		X	X	X	222-182-2	

**U.S. Regulations:**

5-chloro-2-(2,4-dichlorophenoxy)phenol - 3380-34-5

**NJRTK** Not Listed.

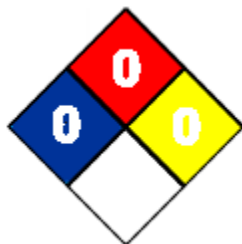
**Appearance** None.

**SARA313** None

**Chemical Name** **California Prop. 65**

5-chloro-2-(2,4-dichlorophenoxy)phenol - 3380-34-5 Not Listed

**WHMIS (Canada)**
**WHMIS Hazard Class** Not determined

**16. OTHER INFORMATION**
**National Fire  
Protection Association  
(U.S.A.):**

**HMIS (U.S.A.):**

Health Hazard	0
Fire Hazard	0
Reactivity	0
PERSONAL PROTECTION	A

**Reason for revision:** Change of formulation

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

**Prepared by:** Reckitt Benckiser (U.S.) Inc.  
Product Safety Department  
1 Philips Parkway  
Montvale, New Jersey 07646-1810 USA.  
FAX: 201-476-7770

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