# SAFETY DATA SHEET



LYSOL® Daily Cleaning Wipes - Simply™ Orange Blossom

# 1. Product and company identification

: LYSOL® Daily Cleaning Wipes - Simply™ Orange Blossom **Product name** 

**Distributed by** : Reckitt Benckiser LLC.

Morris Corporate Center IV

399 Interpace Parkway (P.O. Box 225) Parsippany, New Jersey 07054-0225

+1 973 404 2600

**Emergency telephone** 

number (Medical)

: 1-800-338-6167

**Emergency telephone** 

number (Transport)

: 1-800-424-9300 (U.S. & Canada) CHEMTREC

Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Website: : http://www.rbnainfo.com

**Product use** : Surface Disinfection Wipes

Consumer use

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of **USDOL** Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS# : D8357739 v1.0 Formulation #: : 3081830 v1.0 : 777-133 **EPA ID No.** 

# 2. Hazards identification

Classification of the substance or mixture : EYE IRRITATION - Category 2B

**GHS label elements** 

**Hazard pictograms** : Not applicable.

Signal word : Warning

: Causes eye irritation. **Hazard statements** 

**Precautionary statements** 

General : Read label before use. Keep out of reach of children. If medical advice is needed,

have product container or label at hand.

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### 2. Hazards identification

**Prevention** 

: Wash hands thoroughly after handling.

Response

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** 

: Not applicable.

**Disposal** 

: Not applicable.

Supplemental label

elements

: Contains: Citric acid and surfactants.

Hazards not otherwise

: None known.

classified

# 3. Composition/information on ingredients

Substance/mixture

: Mixture

Ingredient name	%	CAS number
citric acid	1 - 5	77-92-9
Ethyl alcohol	1 - 5	64-17-5
Diethylene glycol monoethyl ether	0.5-1.5	111-90-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4. First aid measures

### **Description of necessary first aid measures**

**Eye contact** 

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes eye irritation.

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### 4. First aid measures

Inhalation : No known significant effects or critical hazards. Skin contact : No known significant effects or critical hazards. Ingestion No known significant effects or critical hazards.

Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:

> irritation watering redness

Inhalation : No specific data. **Skin contact** : No specific data. Ingestion : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may

be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### See toxicological information (Section 11)

# 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

: None known.

Specific hazards arising

from the chemical

**Hazardous thermal** 

decomposition products

: No specific hazard.

: No specific data.

**Special protective actions** 

for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable

**Special protective** equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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### 6. Accidental release measures

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

Small spill

: Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### 7. Handling and storage

### **Precautions for safe handling**

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Exposure limits** 

# 8. Exposure controls/personal protection

#### **Control**

### Occupational exposure limits

Ingredient name

mgrodient name	Exposure illino
Ethyl alcohol	ACGIH TLV (United States, 3/2015).
	STEL: 1000 ppm 15 minutes.
	OSHA PEL 1989 (United States, 3/1989).
	TWA: 1000 ppm 8 hours.
	TWA: 1900 mg/m <sup>3</sup> 8 hours.
	NIOSH REL (United States, 10/2013).
	TWA: 1000 ppm 10 hours.
	TWA: 1900 mg/m <sup>3</sup> 10 hours.
	OSHA PEL (United States, 2/2013).
	TWA: 1000 ppm 8 hours.
	TWA: 1900 mg/m³ 8 hours.
Diethylene glycol monoethyl ether	AIHA WEEL (United States, 10/2011).
	TWA: 25 ppm 8 hours.

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# 8. Exposure controls/personal protection

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin protection** 

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** 

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

# 9. Physical and chemical properties

**Appearance** 

Physical state : Solid. [Presaturated Wipes]

Color : White.

Odor : Citrus

: Not available. **Odor threshold** pН : 2.05 to 2.5 **Melting point** : Not available. **Boiling point** : Not available. Flash point : Not available. : Not available. **Evaporation rate** Flammability (solid, gas) : Not available. Lower and upper explosive Not available.

(flammable) limits

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# 9. Physical and chemical properties

Vapor pressure : Not available. Vapor density : Not available. **Relative density**  Not available. Solubility : Not available. Partition coefficient: n-: Not available. octanol/water

**Auto-ignition temperature** : Not available. **Decomposition temperature**: Not available. **Viscosity** : Not available. Flow time (ISO 2431) : Not available.

# 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous** : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data. **Incompatible materials** : No specific data.

**Hazardous decomposition** : Under normal conditions of storage and use, hazardous decomposition products should products

not be produced.

# 11. Toxicological information

### Information on toxicological effects

### **Acute toxicity**

reactions

Product/ingredient name	Result	Species	Dose	Exposure
citric acid	LD50 Oral	Rat	11700 mg/kg	-
Ethyl alcohol	LC50 Inhalation Vapor	Rat	124700 mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	7 g/kg	-
Diethylene glycol monoethyl ether	LD50 Oral	Rat	7500 mg/kg	-
Lysol Daily Cleaning Wipes_Citrus_3081830_D8357739 (US)	LC50 Inhalation Vapor	Rat	>2.13 mg/l	4 hours
	LD50 Dermal LD50 Oral	Rat Rat	>5000 mg/kg >5000 mg/kg	-

**Conclusion/Summary** : (Non-Hazardous) Information is based on toxicity test result of a similar product.

### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Ethyl alcohol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	0.066666667 minutes 100 milligrams	-

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# 11. Toxicological information

	Eyes - Moderate irritant	Rabbit	-	100	-
				microliters	
	Eyes - Severe irritant	Rabbit	-	500	-
				milligrams	
	Skin - Mild irritant	Rabbit	-	400	-
				milligrams	
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
				milligrams	
Diethylene glycol monoethyl	Eyes - Mild irritant	Rabbit	-	125	-
ether	Free Mederate imitent	Dakkit		milligrams	
	Eyes - Moderate irritant	Rabbit	-	500	-
	Skin - Mild irritant	Dobbit		milligrams	
	Skin - Milia Imtant	Rabbit	-	24 hours 500	-
Lysol Daily Cleaning	Skin - Slight irritant	Rabbit	0	milligrams	
Wipes_Citrus_3081830_D8357739	Skiii - Siigiit iiritarit	Rabbit	U	_	-
(US)					
(,	Eyes - Mild irritant	In vitro	_	-	-

### **Conclusion/Summary**

Skin : Slightly irritating to the skin. Information is based on toxicity test result of a similar

product.

**Eyes** : Mildly irritating to the eyes. Information is based on toxicity test result of a similar

product.

**Respiratory**: Based on available data, the classification criteria are not met.

#### **Sensitization**

3	Route of exposure	Species	Result
Lysol Daily Cleaning Wipes_Citrus_3081830_D8357739 (US)	skin	Mammal - species unspecified	Not sensitizing

#### **Conclusion/Summary**

**Skin**: Non-sensitizer to skin. Information is based on toxicity test result of a similar product.

**Respiratory**: Based on available data, the classification criteria are not met.

**Mutagenicity** 

Not available.

**Conclusion/Summary**: No known significant effects or critical hazards.

**Carcinogenicity** 

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

Classification

Product/ingredient name	OSHA	IARC	NTP
Ethyl alcohol	-	1	-

### **Reproductive toxicity**

Not available.

**Conclusion/Summary**: No known significant effects or critical hazards.

**Teratogenicity** 

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# 11. Toxicological information

Not available.

**Conclusion/Summary**: No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Not available.

Information on the likely

routes of exposure

: Not available.

Potential acute health effects

**Eye contact** : Causes eye irritation.

Inhalation
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact**: Adverse symptoms may include the following:

irritation watering redness

Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

**Conclusion/Summary**: Based on available data, the classification criteria are not met.

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Teratogenicity : No known significant effects or critical hazards.
 Developmental effects : No known significant effects or critical hazards.

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# 11. Toxicological information

**Fertility effects** 

: No known significant effects or critical hazards.

# Numerical measures of toxicity Acute toxicity estimates

Not available.

# 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
citric acid	Acute LC50 160000 μg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
Ethyl alcohol	Acute EC50 17.921 mg/l Marine water	Algae - Ulva pertusa	96 hours
-	Acute EC50 2000 μg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 25500 μg/l Marine water	Crustaceans - Artemia franciscana - Larvae	48 hours
	Acute LC50 42000 µg/l Fresh water	Fish - Oncorhynchus mykiss	4 days
	Chronic NOEC 4.995 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 100 ul/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.375 ul/L Fresh water	Fish - Gambusia holbrooki - Larvae	12 weeks
Diethylene glycol monoethyl ether	Acute LC50 3340000 μg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 6010000 µg/l Fresh water	Fish - Ictalurus punctatus	96 hours

**Conclusion/Summary** 

: Based on available data, the classification criteria are not met.

### Persistence and degradability

Not available.

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
citric acid Ethyl alcohol Diethylene glycol monoethyl ether	-1.8 -0.35 -0.54	-	low low low

**Mobility in soil** 

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

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# 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not Regulated	Not applicable.	Not available.	-		-
TDG Classification	Not Regulated	Not applicable.	Not available.	-		-
Mexico Classification	Not Regulated	Not applicable.	Not available.	-		-
IMDG Class	Not Regulated	Not applicable.	Not available.	-		-
IATA-DGR Class	Not Regulated	Not applicable.	Not available.	-		-

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

PG\*: Packing group

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# 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) PAIR: benzaldehyde; Siloxanes and Silicones, di-Me

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)** 

: Listed

Clean Air Act Section 602

**Class I Substances** 

: Not listed

Clean Air Act Section 602

**Class II Substances** 

: Not listed

**DEA List I Chemicals** 

: Not listed

(Precursor Chemicals)

**DEA List II Chemicals** 

(Essential Chemicals)

: Not listed

**SARA 302/304** 

Composition/information on ingredients

No products were found.

**SARA 304 RQ** Not applicable.

**SARA 311/312** 

Classification : Immediate (acute) health hazard

**Composition/information on ingredients** 

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
citric acid Ethyl alcohol Diethylene glycol monoethyl ether	1 - 2.5	No.	No.	No.	Yes.	No.
	1 - 2.5	Yes.	No.	No.	Yes.	Yes.
	1 - 2.5	Yes.	No.	No.	Yes.	No.

### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	2-(2-ethoxyethoxy)ethanol	111-90-0	1.2
Supplier notification	2-(2-ethoxyethoxy)ethanol	111-90-0	1.2

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

**Massachusetts** : The following components are listed: ETHYL ALCOHOL; DENATURED ALCOHOL

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: GLYCOL ETHERS; ETHYL ALCOHOL; ALCOHOL

: The following components are listed: GLYCOL ETHERS; DENATURED ALCOHOL; **Pennsylvania** 

**ETHANOL** 

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# 15. Regulatory information

**Canada** 

WHMIS (Canada) : Class E: Corrosive material

**Canadian lists** 

Canadian NPRI : The following components are listed: Ethanol

**CEPA Toxic substances**: None of the components are listed.

Canada inventory : Not determined.

**Label elements** 

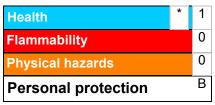
Signal word : CAUTION

**Hazard statements** : May cause eye irritation.

**Precautionary measures**: Do not get into eyes. Wash hands after use.

### 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

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### 16. Other information

Key to abbreviations

: ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

**UN = United Nations** 

HMIS Health Hazard 1= Irritation or minor reversible injury possible.

NFPA Health Hazard 1= Exposure would cause irritation with only minor residual injury.

**Date of issue** : 21/01/2019

Date of previous issue : No previous version

Version : 1.0

Prepared by : Reckitt Benckiser India Ltd

Plot No 48 Sector - 32 Institutional Area Gurgaon, Haryana India - 122001

Revision comments : New Formulation

▼ Indicates information that has changed from previously issued version.

#### **Notice to reader**

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.



RB is a member of the CSPA Product Care Product Stewardship Program.

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