

# Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1226



## ANTIBACTERIAL SCRUBBING BUBBLES® XXI BATHROOM CLEANER - LEMON

Version 4.0

Print Date 04/15/2011

Revision Date 02/28/2011

MSDS Number 350000004381  
SITE\_FORM Number  
30000000000000003702.002

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : ANTIBACTERIAL SCRUBBING BUBBLES® XXI BATHROOM CLEANER - LEMON

Use of the Substance/Mixture : Disinfectant

Company : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406  
24 Hour International Emergency Phone (952) 852-4647

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance / Odor : clear yellow / aerosol / pleasant

#### Immediate Concerns

: Caution  
CAUSES EYE IRRITATION.  
Avoid contact with skin, eyes and clothing.  
Keep away from heat, sparks and flame.  
Contents under pressure.  
Do not puncture or incinerate.  
Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst.

#### Potential Health Effects

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : May irritate eyes.

Skin : Prolonged or repeated contact may dry skin and cause irritation.

Inhalation : May cause nose, throat, and lung irritation.

Ingestion : May cause irritation to mouth, throat and stomach.  
May cause abdominal discomfort.

Aggravated Medical Condition : Persons with pre-existing skin disorders may be more susceptible to irritating effects.

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Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:

Chemical Name	CAS-No.	Weight percent
Isobutane	75-28-5	5.00 - 10.00
Diethylene glycol monobutyl ether	112-34-5	5.00 - 10.00
Tetrasodium ethylene diamine tetraacetate	64-02-8	1.00 - 5.00
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0.10 - 1.00
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	68956-79-6	0.10 - 1.00

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

- Eye contact : Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.
- Skin contact : Rinse with plenty of water. Get medical attention if irritation develops and persists.
- Inhalation : Remove to fresh air. If breathing is affected, get medical attention.
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Specific hazards during fire fighting	: Aerosol Product - Containers may rocket or explode in heat of fire. Container may melt and leak in heat of fire.
Further information	: Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
Flash point	: < -7 °C < 19.4 °F Note: Propellant
Lower explosion limit	: Note: no data available
Upper explosion limit	: Note: no data available
NFPA Classification	: NFPA Level 1 Aerosol

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Remove all sources of ignition. Wear personal protective equipment.
Environmental precautions	: Outside of normal use, avoid release to the environment.
Methods for cleaning up	: Soak up with inert absorbent material. If damage occurs to aerosol can: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Sweep up and shovel into suitable containers for disposal. Use only non-sparking equipment. Dike large spills. Clean residue from spill site.

## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling	: Avoid contact with skin, eyes and clothing. Do not puncture or incinerate. Avoid breathing vapors, mist or gas. For personal protection see section 8.
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Do not spray toward face.  
Do not use in areas without adequate ventilation.  
Use only as directed.  
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

**Storage**

Requirements for storage areas and containers : Do not store at temperatures above 120 Deg. F (50 Deg C), as container may burst.  
Keep in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Isobutane	75-28-5	-	1,000 ppm	-	ACGIH TWA
Diethylene glycol monobutyl ether	112-34-5	-	35 ppm	-	SUPPLIER

**Personal protective equipment**

**Respiratory protection**

Industrial setting : Use only with adequate ventilation.

Household setting : Use only with adequate ventilation.

**Hand protection** : No special requirements.

**Eye protection**

Industrial setting : Safety glasses with side-shields

Household setting : Avoid contact with eyes.

**Skin and body protection** : No special requirements.

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	aerosol
Color	:	clear yellow
Odor	:	pleasant
pH	:	11.0
Boiling point	:	no data available
Freezing point	:	no data available
Flash point	:	< -7 °C < 19.4 °F Propellant
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Autoignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	1.04 g/cm <sup>3</sup>
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	no data available
Volatile Organic Compounds (California Air Resource Board – CARB) Total VOC (wt. %)	:	6.1 % - does not include any applicable regulatory exemptions

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## 10. STABILITY AND REACTIVITY

- Conditions to avoid : Heat, flames and sparks.
- Materials to avoid : Strong oxidizing agents  
Strong acids
- Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.
- Hazardous reactions : Stable under recommended storage conditions.

## 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50  
estimated  
5,000 mg/kg
- Acute inhalation toxicity : LC50  
estimated  
2.27 mg/l
- Acute dermal toxicity : LD50  
estimated  
5,000 mg/kg
- Chronic effects**
- Carcinogenicity : no data available
- Mutagenicity : no data available
- Reproductive effects : no data available
- Teratogenicity : no data available
- Sensitisation : no data available

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity effects** : no data available

## 13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.  
Consumer may discard empty container in trash, or recycle where facilities exist.

RCRA waste class : D001 (Ignitable Waste)

## 14. TRANSPORT INFORMATION

### Land transport

#### U.S. DOT and Canadian TDG Surface Transportation:

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1  
Class: 2.1  
UN number 1950  
Packaging group: None.  
Note: SC Johnson ships this product as Consumer Commodity ORM-D (non-bulk packages)

### Sea transport

#### IMDG:

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1  
Class: 2  
UN number: 1950  
Packaging group: None.  
EmS: F-D, S-U  
Note: Limited quantities derogation may be applicable to this product, please check transport documents.

### Air transport

#### ICAO/IATA:

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1  
Class: 2.1  
UN/ID No.: UN 1950  
Packaging group: None.

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Note: SC Johnson typically does not ship products via air, therefore it has not been determined if the product container meets current IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

**15. REGULATORY INFORMATION**

- Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.
- Canada Regulations : This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Registration # / Agency**  
4822-547/US/EPA

**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	1
<b>Flammability</b>	4
<b>Reactivity</b>	0

**NFPA Ratings**

<b>Health</b>	1
<b>Fire</b>	4
<b>Reactivity</b>	0
<b>Special</b>	

Further information  
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