

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000021255

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

**Product name** : SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)

**Recommended use** : Hard Surface Cleaner

**Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

**Telephone** : +18005585252  
**Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

**2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**Globally Harmonized System (GHS) Classification**

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Eye irritation	Category 2A	Causes serious eye irritation.
Gases under pressure	Liquefied gas	Contains gas under pressure; may explode if heated.

**Labelling**

**Hazard symbols**

Flame  
Gas cylinder  
Exclamation mark

**Signal word**

Danger

**Hazard statements**

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Causes serious eye irritation.

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### Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

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 advice/ attention.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Protect from sunlight. Store in a well-ventilated place.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Wash hands thoroughly after handling.

**Other hazards** : None identified

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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	68424-85-1	0.0001 - 0.10
Decyldimethyloctylammonium chloride	32426-11-2	0.0001 - 0.10
Dimethyldioctylammonium chloride	5538-94-3	0.0001 - 0.10
Didecyldimethylammonium chloride	7173-51-5	0.0001 - 0.10

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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

### 4. FIRST AID MEASURES

**Eye contact** : 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 advice/ attention.



## SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)

Version 1.1

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- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

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### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Aerosol Product - Containers may rocket or explode 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.

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### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Remove all sources of ignition.  
Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : 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).  
Use only non-sparking equipment.  
Dike large spills.  
Clean residue from spill site.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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(FRESH CLEAN SCENT)**

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**7. HANDLING AND STORAGE**

**Handling**

**Precautions for safe handling** : Avoid contact with skin, eyes and clothing.  
For personal protection see section 8.  
Use only as directed.  
KEEP OUT OF REACH OF CHILDREN AND PETS.  
Pressurized container.  
Do not pierce or burn, even after use.  
Wash thoroughly after handling.

**Advice on protection against fire and explosion** : Keep away from sources of ignition - No smoking.  
Do not spray on an open flame or other ignition source.

**Storage**

**Requirements for storage areas and containers** : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
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 STEL
Diethylene glycol monobutyl ether	112-34-5	-	35 ppm	-	SUPPLIER
Diethylene glycol monobutyl ether	112-34-5	-	10 ppm	-	ACGIH TWA

**Personal protective equipment**

**Respiratory protection** : No special requirements.

**Hand protection** : No special requirements.

**Safety Data Sheet**

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**SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER  
(FRESH CLEAN SCENT)**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000021255

- Eye protection** : Safety glasses with side-shields
- 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  
compressed liquefied gas
- Color** : clear Colorless to amber
- Odor** : pleasant
- Odour Threshold** : No data available
- pH** : 11.8  
at (20 °C)
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- Flash point** : < -7 °C  
< 19.4 °F  
Propellant
- Evaporation rate** : No data available
- Flammability (solid, gas)** : No data available
- Upper/lower flammability or** : No data available

**Safety Data Sheet**

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**explosive limits**

**Vapour pressure** : No data available

**Vapour density** : No data available

**Relative density** : 1.00 g/cm<sup>3</sup> at 20 °C Calculated

**Solubility(ies)** : completely soluble

**Partition coefficient: n-octanol/water** : No data available

**Auto-ignition temperature** : No data available

**Decomposition temperature** : No data available

**Viscosity, dynamic** : Not applicable

**Viscosity, kinematic** : Not applicable

**Oxidizing properties** : No data available

**Volatile Organic Compounds Total VOC (wt. %)\*** : 6.1 % - additional exemptions may apply  
\*as defined by US Federal and State Consumer Product Regulations

**Other information** : None identified :

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**10. STABILITY AND REACTIVITY**

**Safety Data Sheet**

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(FRESH CLEAN SCENT)**

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- Possibility of hazardous reactions** : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
  
- Conditions to avoid** : Heat, flames and sparks.
  
- Incompatible materials** : Strong oxidizing agents  
Do not mix with bleach or any other household cleaners.  
Strong bases
  
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

**11. TOXICOLOGICAL INFORMATION**

- Emergency Overview** : Danger
  
- Acute oral toxicity** : LD50 Oral  
Measured  
> 5,000 mg/kg
  
- Acute inhalation toxicity** : Inhalation LC50  
Measured  
> 5.11 mg/l
  
- Acute dermal toxicity** : LD50 Dermal  
Measured  
> 5,000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
Skin corrosion/irritation	No classification proposed	-
Eye irritation	Category 2A	-
Skin sensitisation	No classification proposed	-

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)**

Version 1.1

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Revision Date 02/24/2015

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Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

**Aggravated Medical Condition** : None known.

**12. ECOLOGICAL INFORMATION**

**Product** : The product itself has not been tested.

**Toxicity**

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

**Toxicity to fish**

Components	End point	Species	Value	Exposure time
Isobutane	LC50	Fish	27.98 mg/l	96 h
Diethylene glycol monobutyl ether	static test LC50	Lepomis macrochirus (Bluegill sunfish)	1,300 mg/l	96 h
Tetrasodium ethylene diamine tetraacetate	static test LC50	Lepomis macrochirus	41 mg/l	96 h

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200


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Version 1.1

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Revision Date 02/24/2015

SDS Number 350000021255

	NOEC	Danio rerio (zebra fish)	> 25.7 mg/l	35 d
Alkyl dimethyl benzyl ammonium chloride	LC50 Measured OECD Test Guideline 203	Pimephales promelas (fathead minnow)	0.28 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.03 mg/l	34 d
Decyldimethyloctylammonium chloride	No data available			
Dimethyldioctylammonium chloride	No data available			
Didecyldimethylammonium chloride	semi-static test LC50	Danio rerio (zebra fish)	0.49 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Diethylene glycol monobutyl ether	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
Tetrasodium ethylene diamine				

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200


**SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER  
(FRESH CLEAN SCENT)**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000021255

tetraacetate	NOEC	Daphnia magna	25 mg/l	21 d
Alkyl dimethyl benzyl ammonium chloride	EC50 Measured No information available.	Daphnia magna (Water flea)	0.0036 - 0.0075 mg/l	48 h
Decyldimethyloctylammonium chloride	No data available			
Dimethyldioctylammonium chloride	No data available			
Didecyldimethylammonium chloride	static test EC50	Daphnia magna (Water flea)	0.029 mg/l	48 h
	NOEC	Daphnia magna	0.021 mg/l	21 d

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Isobutane	EC50	Green algae	8.57 mg/l	96 h
Diethylene glycol monobutyl ether	Growth inhibition EC50	Desmodesmus subspicatus (green algae)	> 100 mg/l	96 h
Tetrasodium ethylene diamine tetraacetate	EC50	Desmodesmus subspicatus	1.01 mg/l	72 h
Alkyl dimethyl benzyl ammonium chloride	ErC50		0.04 mg/l	72 h
Decyldimethyloctylammonium chloride	No data available			

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)

Version 1.1

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Revision Date 02/24/2015

SDS Number 350000021255

Dimethyldioctylammonium chloride	No data available			
Didecyldimethylammonium chloride	static test EC50 OECD Test Guideline 201	Pseudokirchneriella subcapitata (microalgae)	0.053 mg/l	96 h

### Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Isobutane	70 %	< 10 d	Readily biodegradable
Diethylene glycol monobutyl ether	80 - 90 %	28 d	Readily biodegradable
Tetrasodium ethylene diamine tetraacetate	No data available		
Alkyl dimethyl benzyl ammonium chloride	95.5 %	28 d	Readily biodegradable
Decyldimethyloctylammonium chloride	No data available		
Dimethyldioctylammonium chloride	No data available		
Didecyldimethylammonium chloride	69 %	28 d	Readily biodegradable

### Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Isobutane	1.57 - 1.97	2.8
Diethylene glycol monobutyl ether	1.12 estimated	1
Tetrasodium ethylene diamine tetraacetate	1.8 Measured	-3.86
Alkyl dimethyl benzyl ammonium chloride	79 Measured	3.91
Decyldimethyloctylammonium chloride	No data available	No data available
Dimethyldioctylammonium chloride	No data available	No data available

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)**

Version 1.1

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Revision Date 02/24/2015

SDS Number 350000021255

Didecyldimethylammonium chloride	929.2	2.58
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**Mobility**

Component	End point	Value
Isobutane	No data available	
Diethylene glycol monobutyl ether	No data available	
Tetrasodium ethylene diamine tetraacetate	Koc	1046 estimated
Alkyl dimethyl benzyl ammonium chloride	No data available	-
Decyldimethyloctylammonium chloride	No data available	
Dimethyldioctylammonium chloride	No data available	
Didecyldimethylammonium chloride	Koc	667 - 24433

**PBT and vPvB assessment**

Component	Results
Isobutane	Not fulfilling PBT and vPvB criteria
Diethylene glycol monobutyl ether	Not fulfilling PBT and vPvB criteria
Decyldimethyloctylammonium chloride	Not fulfilling PBT and vPvB criteria
Dimethyldioctylammonium chloride	Not fulfilling PBT and vPvB criteria
Didecyldimethylammonium chloride	Not fulfilling PBT and vPvB criteria

**Other adverse effects** : None known.

**13. DISPOSAL CONSIDERATIONS**

Consumer may discard empty container in trash, or recycle where facilities exist.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)**

Version 1.1

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Revision Date 02/24/2015

SDS Number 350000021255

**14. TRANSPORT INFORMATION**

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	<b>Land transport</b>	<b>Sea transport</b>	<b>Air transport</b>
<b>UN number</b>	1950	1950	1950
<b>UN proper shipping name</b>	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY
<b>Transport hazard class(es)</b>	2.1	2	2.1
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	-	-	-
<b>Special precautions for user</b>	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.

**15. REGULATORY INFORMATION**

**FIFRA Labeling**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

CAUTION:  
CAUSES MODERATE EYE IRRITATION.  
CONTENTS UNDER PRESSURE.  
Exposure to temperatures above 130° F may cause bursting.

**Notification status** : All ingredients of this product are listed or are excluded from

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**SCRUBBING BUBBLES® DISINFECTANT XXIII BATHROOM CLEANER (FRESH CLEAN SCENT)**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000021255

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.

**Registration # / Agency**  
4822-594/US/EPA

**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	2
<b>Flammability</b>	4
<b>Reactivity</b>	0

**NFPA Ratings**

<b>Health</b>	2
<b>Fire</b>	4
<b>Reactivity</b>	0
<b>Special</b>	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

**Further information**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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