



SCRUBBING BUBBLES® BATHROOM DISINFECTANT BATHROOM GRIME FIGHTER - RAINSHOWER (EPA REG. NO. 4822-594)

Version 2.3

Print Date 08/18/2021

Revision Date 03/16/2020

SDS Number 350000021325

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : SCRUBBING BUBBLES® BATHROOM DISINFECTANT BATHROOM GRIME FIGHTER - RAINSHOWER (EPA REG. NO. 4822-594)

Recommended use : Hard Surface Cleaner

Restrictions on use : Use only as directed on label

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

Telephone : +1-800-558-5252

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
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 |
|------------------------------|------------------------|---|
| Gases under pressure | Liquefied gas | Contains gas under pressure; may explode if heated. |

Labelling

Precautionary statements

Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

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3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS-No. | Weight percent |
|---|------------|----------------|
| Isobutane | 75-28-5 | 5.00 - 10.00 |
| 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.

4. FIRST AID MEASURES**Description of first aid measures**

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : May irritate eyes.

Skin effect : No adverse effects expected when used as directed.

Inhalation : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.

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Ingestion : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

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.

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 : Sweep up and shovel into suitable containers for disposal.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.

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KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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 |

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : aerosol

Color : transparent colourless to light yellow

Odour : Marine/Ozone

Odour Threshold : Test not applicable for this product type

pH : 11.0 - 11.8
at (25 C)

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see user defined free text

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and boiling range : 95 °C

Flash point : Test not applicable for this product type

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Does not sustain combustion.

Upper/lower flammability or explosive limits : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

Relative density : 0.99 g/cm³ at 55 °C estimated

Solubility(ies) : completely soluble

Partition coefficient: n-octanol/water : Test not applicable for this product type

Auto-ignition temperature : not auto-flammable

Decomposition temperature : Test not applicable for this product type
No data available

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| | | |
|--|---|---|
| Viscosity, dynamic | : similar to water | |
| Viscosity, kinematic | : similar to water | |
| Oxidizing properties | : Test not applicable for this product type | |
| 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 | : |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | : No dangerous reaction known under conditions of normal use. |
| Chemical stability | : Stable under recommended storage conditions. |
| Possibility of hazardous reactions | : Stable under recommended storage conditions. |
| Conditions to avoid | : Direct sources of heat. |
| Incompatible materials | : None known. |
| Hazardous decomposition products | : Thermal decomposition can lead to release of irritating gases and vapours. |

11. TOXICOLOGICAL INFORMATION

| | |
|----------------------------------|----------------------|
| Acute oral toxicity | : LD50 > 5,000 mg/kg |
| Acute inhalation toxicity | : LC50 > 10 mg/L |

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Acute dermal toxicity : LD50 > 5,000 mg/kg

| GHS Properties | Classification | Routes of entry |
|--|----------------------------|----------------------------|
| Acute toxicity | No classification proposed | Oral |
| Acute toxicity | No classification proposed | Dermal |
| Acute toxicity | No classification proposed | Inhalation - Dust and Mist |
| Acute toxicity | No classification proposed | Inhalation - Vapour |
| Acute toxicity | No classification proposed | Inhalation - Gas |
| Skin corrosion/irritation | No classification proposed | - |
| Serious eye damage/eye irritation | No classification proposed | - |
| Skin sensitisation | No classification proposed | - |
| 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.

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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 QSAR | Fish | 27.98 mg/l | 96 h |
| 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 | semi-static test LC50 | Lepomis macrochirus (Bluegill sunfish) | 0.28 mg/l | 96 h |
| | flow-through test NOEC | Pimephales promelas (fathead minnow) | 18 mg/l | 33 d |
| Didecyldimethylammonium chloride | | Pimephales promelas (fathead minnow) | 0.19 mg/l | 96 h |
| | | Danio rerio (zebra fish) | 0.0322 mg/l | 34 d |

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Toxicity to aquatic invertebrates

| Components | End point | Species | Value | Exposure time |
|---|--|----------------------------|-------------|---------------|
| Isobutane | LC50 QSAR | Daphnid | 16.33 mg/l | 48 h |
| Alkyl dimethyl benzyl ammonium chloride | EC50 OECD Test Guideline 202 | Daphnia magna (Water flea) | 0.016 mg/l | 48 h |
| | NOEC | Daphnia magna | 0.0042 mg/l | 21 d |
| Decyldimethyloctylammonium chloride | No data available | | | |
| Dimethyldioctylammonium chloride | static test EC50 | Daphnia magna (Water flea) | 0.066 mg/l | 48 h |
| | flow-through test NOEC | Daphnia magna | 0.027 mg/l | 21 d |
| Didecyldimethylammonium chloride | static test EC50 | Daphnia magna (Water flea) | 0.029 mg/l | 48 h |
| | NOEC | Daphnia magna | 0.01 mg/l | 21 d |

Toxicity to aquatic plants

| Components | End point | Species | Value | Exposure |
|------------|-----------|---------|-------|----------|
|------------|-----------|---------|-------|----------|

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| | | | | time |
|---|--|---|------------|------|
| Isobutane | EC50 QSAR | Green algae | 8.57 mg/l | 96 h |
| Alkyl dimethyl benzyl ammonium chloride | EC50 OECD Test Guideline 201 | Selenastrum capricornutum, Skeletonema costatum | 0.026 mg/l | 72 h |
| Decyldimethyloctylammonium chloride | No data available | | | |
| Dimethyldioctylammonium chloride | Static NOEC | Desmodesmus subspicatus (green algae) | 0.015 mg/l | 72 h |
| Didecyldimethylammonium chloride | EC50 | Selenastrum capricornutum, Skeletonema costatum | 0.026 mg/l | 96 h |

Persistence and degradability

| Component | Biodegradation | Exposure time | Summary |
|---|-------------------|---------------|------------------------|
| Isobutane | 70 % | < 10 d | Readily biodegradable. |
| 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 |
| Alkyl dimethyl benzyl ammonium chloride | 79 Measured | 3.91 |
| Decyldimethyloctylammonium chloride | No data available | No data available |

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| | | |
|----------------------------------|-------------------|-------------------|
| Dimethyldioctylammonium chloride | No data available | No data available |
| Didecyldimethylammonium chloride | 81 Measured | 2.58 |

Mobility

| Component | End point | Value |
|---|-------------------|-------|
| Isobutane | No data available | |
| Alkyl dimethyl benzyl ammonium chloride | No data available | |
| Decyldimethyloctylammonium chloride | No data available | |
| Dimethyldioctylammonium chloride | No data available | |
| Didecyldimethylammonium chloride | | - |

PBT and vPvB assessment

| Component | Results |
|---|--------------------------------------|
| Isobutane | Not fulfilling PBT and vPvB criteria |
| Alkyl dimethyl benzyl ammonium chloride | 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.

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14. TRANSPORT INFORMATION

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

| | Land transport | Sea transport | Air transport |
|--|--|--|--|
| UN number | 1950 | 1950 | 1950 |
| UN proper shipping name | AEROSOLS, Flammable | AEROSOLS, Flammable | AEROSOLS, Flammable |
| Transport hazard class(es) | 2.1 | 2 | 2.1 |
| Packing group | - | - | - |
| Environmental hazards | - | - | - |
| Special precautions for user | 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. |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Product not transported as bulk. | Product not transported as bulk. | Product not transported as bulk. |

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.

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CONTENTS UNDER PRESSURE.

Exposure to temperatures above 130° F may cause bursting.

Store in a cool dry well-ventilated place.

Do not use or store near heat or open flame.

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.

16. OTHER INFORMATION

HMIS Ratings

| | |
|--------------|---|
| Health | 1 |
| Flammability | 1 |
| Reactivity | 0 |

NFPA Ratings

| | |
|------------|---|
| Health | 1 |
| Fire | 1 |
| Reactivity | 0 |
| Special | - |

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.

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Further information

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