

Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



DISINFECTANT SCRUBBING BUBBLES® BATHROOM CLEANER - FRESH CLEAN SCENT

Version 1.0

Print Date 01/09/2015

Revision Date 05/01/2013

MSDS Number 350000021255

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : DISINFECTANT SCRUBBING BUBBLES® BATHROOM CLEANER - FRESH CLEAN SCENT

Use of the Substance/Mixture : Hard Surface Cleaner

Company : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC) (613) 996-6666

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : clear Colorless to amber / aerosol / pleasant

Immediate Concerns

: Caution
CAUSES EYE IRRITATION.
CAUSES SKIN 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 : Causes:
Moderate eye irritation

Skin : Causes moderate skin irritation.

Inhalation : No adverse effects expected when used as directed.

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

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Aggravated Medical Condition : Persons with pre-existing skin disorders 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	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

For additional information on product ingredients, see 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 : Wash off immediately with plenty of water. Get medical attention if irritation develops and persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

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.

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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.
- Flash point : < -7 °C
< 19.4 °F
Note: Propellant
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

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 : 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.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Do not puncture or incinerate.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapours, mist or gas.
For personal protection see section 8.
Do not spray toward face.

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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 : No personal respiratory protective equipment normally required.

Hand protection : If prolonged or repeated contact is possible:
Wear suitable gloves.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : aerosol

Color : clear Colorless to amber

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Odor	:	pleasant
pH	:	11.8 at 20 °C
Melting point	:	no data available
Boiling point	:	no data available
Freezing point	:	no data available
Flash point	:	< -7 °C < 19.4 °F Propellant
Evapouration rate	:	no data available
Flammability (solid, gas)	:	no data available
Auto-ignition temperature	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available
Density	:	1.00 g/cm3 at 20 °C Calculated
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	no data available
Viscosity, dynamic	:	not applicable
Viscosity, kinematic	:	not applicable
Relative vapour density	:	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

10. STABILITY AND REACTIVITY

Conditions to avoid : Heat, flames and sparks.

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- Materials to avoid : 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.
- Thermal decomposition : Note: no data available
- Hazardous reactions : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

11. TOXICOLOGICAL INFORMATION

- 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
- Chronic effects**
- Carcinogenicity : None Anticipated
- Mutagenicity : None Anticipated
- Reproductive effects : None Anticipated
- Teratogenicity : None Anticipated
- Sensitisation : Substances is not a sensitizer.

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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.

14. TRANSPORT INFORMATION

Land transport

▪ **U.S. DOT and Canadian TDG Surface Transportation:**

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY
Class: 2.1
UN number 1950
Packaging group: None.

Sea transport

▪ **IMDG:**

Proper shipping name UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY
Class: 2
UN number: 1950
Packaging group: None.
EmS: F-D, S-U

Air transport

▪ **ICAO/IATA:**

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

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).

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California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	4
Reactivity	0

NFPA Ratings

Health	2
Fire	4
Reactivity	0
Special	-

This information is being provided in accordance with Occupational Safety and Health Administration (OSHA) and Canada's Workplace Hazard Material Information System (WHMIS) regulations. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

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