

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



SCJP ScruBub Disinfect AeroFresh 25oz/12US

Version 1.1

Print Date 03/24/2017

Revision Date 02/24/2015

SDS Number 350000021255

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

- Product name** : SCJP ScruBub Disinfect AeroFresh 25oz/12US
- 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.

Precautionary statements

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.

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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.

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.

Skin contact : No special requirements

Inhalation : No special requirements.

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Ingestion : No special requirements

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** : 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.

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.

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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.
- 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 explosive limits : No data available

Vapour pressure : No data available

Vapour density : No data available

Relative density : 1.00 g/cm³ at 20 °C Calculated

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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	:

10. STABILITY AND REACTIVITY

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

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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	-
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	No classification proposed	-

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toxicity - repeated exposure		
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
	NOEC	Danio rerio (zebra fish)	> 25.7 mg/l	35 d
Alkyl dimethyl benzyl ammonium chloride	LC50	Pimephales promelas (fathead minnow)	0.28 mg/l	96 h
	Measured OECD Test Guideline 203			
	NOEC	Pimephales promelas (fathead minnow)	0.03 mg/l	34 d

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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 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			

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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			
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

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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
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.

14. TRANSPORT INFORMATION

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

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	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY	UN 1950 AEROSOLS, Flammable, 2.1, LTD QTY
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.

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 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.

Registration # / Agency
4822-594/US/EPA

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 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

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.

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