Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

SC Johnson
A FAMILY COMPANY

PLEDGE® MULTISURFACE II ANTIBACTERIAL (FRESH CITRUS)

Version 1.1 | Print Date 03/04/2015

Revision Date 02/25/2015 | SDS Number 350000021920

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : **PLEDGE® MULTISURFACE II ANTIBACTERIAL (FRESH CITRUS)**

Recommended use : Disinfectant

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
Gases under pressure	Compressed gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols
Gas cylinder

Signal word
Warning

Hazard statements
Contains gas under pressure; may explode if heated.

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

Other hazards : None identified

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Isopropanol	67-63-0	1.00 - 5.00
Alkyl ethylbenzalkonium	85409-23-0	0.0001 - 0.10
n-Alkyl Dimethyl Benzyl Ammonium Chloride	53516-76-0	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 : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

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.

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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 : 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.
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
Isopropanol	67-63-0	980 mg/m3	400 ppm	-	OSHA TWA
Isopropanol	67-63-0	-	400 ppm	-	ACGIH STEL
Isopropanol	67-63-0	-	200 ppm	-	ACGIH TWA

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 Compressed gas
Color	:	clear
Odor	:	pleasant
Odour Threshold	:	No data available
pH	:	8.0 - 9.0 (undiluted)
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	does not flash
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	:	0.99 g/cm3 at 20 °C
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	:	No data available
Viscosity, kinematic	:	No data available
Oxidizing properties	:	No data available
Volatile Organic Compounds Total VOC (wt. %)*	:	1.7 % - 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	:	If accidental mixing occurs and toxic gas is formed, exit area

reactions immediately. Do not return until well ventilated.

Conditions to avoid : Direct sources of heat.

Incompatible materials : 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 : Warning

Acute oral toxicity : LD50
Measured
> 5,000 mg/kg

Acute inhalation toxicity : LC50
Measured
> 5.11 mg/l

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

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
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.

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
Isopropanol	LC50	Pimephales promelas (fathead minnow)	9,640 mg/l	96 h
Alkyl ethylbenzalkonium	No data available			
n-Alkyl Dimethyl Benzyl Ammonium Chloride	No data available			

Toxicity to aquatic invertebrates

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Components	End point	Species	Value	Exposure time
Isopropanol	EC50	Daphnia magna (Water flea)	13,299 mg/l	48 h
Alkyl ethylbenzalkonium	EC50 No data available	Daphnia (water flea)	0.016 mg/l	
n-Alkyl Dimethyl Benzyl Ammonium Chloride	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Isopropanol	EC50	Desmodesmus subspicatus (green algae)	> 1,000 mg/l	72 h
Alkyl ethylbenzalkonium	No data available			
n-Alkyl Dimethyl Benzyl Ammonium Chloride	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Isopropanol	53 %	5 d	Readily biodegradable
Alkyl ethylbenzalkonium	60 %	13 d	Readily biodegradable
n-Alkyl Dimethyl Benzyl Ammonium Chloride	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)

Isopropanol	0.96 estimated	0.05
Alkyl ethylbenzalkonium	No data available	No data available
n-Alkyl Dimethyl Benzyl Ammonium Chloride	No data available	No data available

Mobility

Component	End point	Value
Isopropanol	No data available	
Alkyl ethylbenzalkonium	No data available	
n-Alkyl Dimethyl Benzyl Ammonium Chloride	No data available	

PBT and vPvB assessment

Component	Results
Isopropanol	Not fulfilling PBT and vPvB criteria
Alkyl ethylbenzalkonium	Not fulfilling PBT and vPvB criteria
n-Alkyl Dimethyl Benzyl Ammonium 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.

	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	UN 1950 AEROSOLS, Non-Flammable, 2.2, LTD QTY	UN 1950 AEROSOLS, Non-Flammable, 2.2, LTD QTY	UN 1950 AEROSOLS, Non-Flammable, 2.2, LTD QTY
Transport hazard class(es)	2.2	2	2.2
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:

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).

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

Registration # / Agency
4822-576/US/EPA

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	0
Reactivity	0

NFPA Ratings

Health	1
Fire	0
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

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