

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



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.

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- 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

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| | | | |
|--|---|---|---|
| Vapour pressure | : | No data available | |
| Vapour density | : | No data available | |
| Relative density | : | 0.99 g/cm ³ 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

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- 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 | - |

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| | | |
|--|----------------------------|---|
| 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) |
|-----------|-------------------------------|---|
| | | |

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| | | |
|---|-------------------|-------------------|
| 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.

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| | 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

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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) |
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