

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



Multi-Surface Disinfectant Cleaner (EPA Reg No. 6836-348-89900)

Version 1.0

Print Date 10/10/2016

Revision Date 03/28/2016

SDS Number 350000029738

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

- Product name** : **Multi-Surface Disinfectant Cleaner (EPA Reg No. 6836-348-89900)**
- 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 |
|-----------------------|-----------------|--|
| Acute toxicity | Category 4 | Harmful if swallowed. |
| Skin corrosion | Category 1B | Causes severe skin burns and eye damage. |
| Serious eye damage | Category 1 | Causes serious eye damage. |

Labelling

Hazard symbols

Corrosion
Exclamation mark

Signal word

Danger

Hazard statements

Harmful if swallowed.
Causes severe skin burns and eye damage.

Precautionary statements

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If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Immediately call a POISON CENTER or doctor/ physician.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/ container to an approved incineration plant.
Wear protective gloves.
Do not breathe dust or mist.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No. | Weight percent |
|---|------------|----------------|
| Alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | 1.00 - 5.00 |
| Alcohols, C9-11, ethoxylated | 68439-46-3 | 1.00 - 5.00 |
| Tetrasodium ethylene diamine tetraacetate | 64-02-8 | 1.00 - 5.00 |
| Ethyl alcohol | 64-17-5 | 1.00 - 5.00 |
| DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | 68424-95-3 | 5.00 - 10.00 |

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

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- Eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Get medical attention immediately.
- Skin contact** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.
- Inhalation** : IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Ingestion** : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Rinse mouth.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : 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** : Wear personal protective equipment. Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : Dike large spills. Clean residue from spill site.

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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.
Avoid breathing vapours, mist or gas.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

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

Storage

Requirements for storage areas and containers : Keep container closed when not in use.
Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

| Components | CAS-No. | mg/m3 | ppm | Non-standard units | Basis |
|---------------|---------|-------------|-----------|--------------------|------------|
| Ethyl alcohol | 64-17-5 | 1,900 mg/m3 | 1,000 ppm | - | OSHA TWA |
| Ethyl alcohol | 64-17-5 | - | 1,000 ppm | - | ACGIH STEL |

Personal protective equipment

Respiratory protection : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

Hand protection : Rubber gloves

Eye protection : Wear splash-resistant Chemical goggles.

Skin and body protection : Protective footwear.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : yellow

Odor : Citrus

Odour Threshold : Test not applicable for this product type

pH : 12.5

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

Initial boiling point and boiling range : Test not applicable for this product type

Flash point : > 95 C
> 203 °F
Method: ASTM D 56

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : No data available

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

Vapour pressure : Test not applicable for this product type

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- Vapour density** : Test not applicable for this product type
- Relative density** : 1.00 g/cm3
- Solubility(ies)** : soluble
- Partition coefficient: n-octanol/water** : Test not applicable for this product type
- Auto-ignition temperature** : Test not applicable for this product type
- Decomposition temperature** : Test not applicable for this product type
- Viscosity, dynamic** : 8.5 mPa.s
- Viscosity, kinematic** : Test not applicable for this product type
- Oxidizing properties** : Test not applicable for this product type
- Volatile Organic Compounds Total VOC (wt. %)*** : 1.6 % - 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** : Direct sources of heat.

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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** : Danger
- Acute oral toxicity** : LD50 1,600 mg/kg
- Acute inhalation toxicity** : LC50 1.0 mg/L
- Acute dermal toxicity** : LD50 2,900 mg/kg

| GHS Properties | Classification | Routes of entry |
|---------------------------|----------------------------|----------------------------|
| Acute toxicity | Category 4 | 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 | Category 1B | - |
| Serious eye damage | Category 1 | - |
| Skin sensitisation | No classification proposed | - |
| Respiratory sensitisation | No classification proposed | - |
| Germ cell mutagenicity | No classification proposed | - |

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| | | |
|--|----------------------------|---|
| 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 |
|---|--|---|------------|---------------|
| 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 |
| Alcohols, C9-11, ethoxylated | static test LC50 | Oncorhynchus mykiss (rainbow trout) | 5 - 7 mg/l | 96 h |
| Tetrasodium ethylene diamine | static test | Lepomis macrochirus | 41 mg/l | 96 h |

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| | | | | |
|---------------------------------------|-------------------|--------------------------|-------------|------|
| tetraacetate | LC50 | | | |
| | NOEC | Danio rerio (zebra fish) | > 25.7 mg/l | 35 d |
| Ethyl alcohol | | | | |
| DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | No data available | | | |

Toxicity to aquatic invertebrates

| Components | End point | Species | Value | Exposure time |
|---|------------------|----------------------------|-----------|---------------|
| Alkyl dimethyl benzyl ammonium chloride | | | | |
| Alcohols, C9-11, ethoxylated | static test EC50 | Daphnia magna (Water flea) | 2.5 mg/l | 48 h |
| | EC10 | Daphnia | 2.58 mg/l | 21 d |
| Tetrasodium ethylene diamine tetraacetate | EC50 | Daphnia magna (Water flea) | 140 mg/l | 48 h |
| | NOEC | Daphnia magna | 25 mg/l | 21 d |
| Ethyl alcohol | | | | |
| | NOEC | Daphnia magna | 9.6 mg/l | 9 d |
| DI-N-ALKYL DIMETHYL | EC50 | Daphnia (water flea) | 0.011 - | |

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| | | | | |
|-------------------|----------------------------------|--|------------|--|
| AMMONIUM CHLORIDE | Measured No data available | | 0.099 mg/l | |
|-------------------|----------------------------------|--|------------|--|

Toxicity to aquatic plants

| Components | End point | Species | Value | Exposure time |
|---|--|---|------------------|---------------|
| Alkyl dimethyl benzyl ammonium chloride | EC50 OECD Test Guideline 201 | Selenastrum capricornutum, Skeletonema costatum | 0.026 mg/l | 72 h |
| Alcohols, C9-11, ethoxylated | EC50 | Algae | 1.4 - 47 mg/l | 72 h |
| Tetrasodium ethylene diamine tetraacetate | EC50 | Desmodesmus subspicatus | 1.01 mg/l | 72 h |
| Ethyl alcohol | Static EC50 | Chlorella vulgaris (Fresh water algae) | 275 mg/l | 72 h |
| DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | No data available | | | |

Persistence and degradability

| Component | Biodegradation | Exposure time | Summary |
|---|-------------------|---------------|----------------------------|
| Alkyl dimethyl benzyl ammonium chloride | 95.5 % | 28 d | Readily biodegradable |
| Alcohols, C9-11, ethoxylated | 60 % | 28 d | Readily biodegradable |
| Tetrasodium ethylene diamine tetraacetate | 10 % | 28 d | Not readily biodegradable. |
| Ethyl alcohol | 97 % | 28 d | Readily biodegradable |
| DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | No data available | | Readily biodegradable |

Bioaccumulative potential

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| Component | Bioconcentration factor (BCF) | Partition Coefficient n-Octanol/water (log) |
|---|-------------------------------|---|
| Alkyl dimethyl benzyl ammonium chloride | 79 Measured | 3.91 |
| Alcohols, C9-11, ethoxylated | No data available | 3.11 - 4.19 |
| Tetrasodium ethylene diamine tetraacetate | 1.8 Measured | -3.86 |
| Ethyl alcohol | 3.2 estimated | -0.35 Measured |
| DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | No data available | No data available |

Mobility

| Component | End point | Value |
|---|-------------------|----------------|
| Alkyl dimethyl benzyl ammonium chloride | No data available | |
| Alcohols, C9-11, ethoxylated | No data available | |
| Tetrasodium ethylene diamine tetraacetate | Koc | 1046 estimated |
| Ethyl alcohol | No data available | |
| DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | No data available | |

PBT and vPvB assessment

| Component | Results |
|---|--------------------------------------|
| Alkyl dimethyl benzyl ammonium chloride | Not fulfilling PBT and vPvB criteria |
| Alcohols, C9-11, ethoxylated | Not fulfilling PBT and vPvB criteria |
| Tetrasodium ethylene diamine tetraacetate | Not fulfilling PBT and vPvB criteria |
| Ethyl alcohol | Not fulfilling PBT and vPvB criteria |
| DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | Not fulfilling PBT and vPvB criteria |

Other adverse effects : None known.

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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 | 1903 | 1903 | 1903 |
| UN proper shipping name | Disinfectant, liquid, corrosive, n.o.s. (Alkyldimethylbenzyl ammonium chloride) | Disinfectant, liquid, corrosive, n.o.s. (Alkyldimethylbenzyl ammonium chloride) | Disinfectant, liquid, corrosive, n.o.s. (Alkyldimethylbenzyl ammonium chloride) |
| Transport hazard class(es) | 8 | 8 | 8 |
| Packing group | II | II | II |
| 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:

DANGER:

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Corrosive.
Causes irreversible eye damage.
Causes skin burns.
Harmful if swallowed.

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.

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

State Right To Know

| | | |
|-------------------|---|------------|
| Massachusetts RTK | Ethyl alcohol | 64-17-5 |
| Minnesota HSL | Ethyl alcohol | 64-17-5 |
| New Jersey HRTK | Ethyl alcohol | 64-17-5 |
| Pennsylvania RTKL | Water | 7732-18-5 |
| | DI-N-ALKYL DIMETHYL AMMONIUM CHLORIDE | 68424-95-3 |
| | Alkyl dimethyl benzyl ammonium chloride | 68424-85-1 |
| | Alcohols, C9-11, ethoxylated | 68439-46-3 |
| | Ethyl alcohol | 64-17-5 |
| | Sodium hydroxide | 1310-73-2 |

16. OTHER INFORMATION

HMIS Ratings

| | |
|---------------------|---|
| Health | 3 |
| Flammability | 0 |
| Reactivity | 0 |

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NFPA Ratings

| | |
|-------------------|---|
| Health | 3 |
| 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

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 & Regulatory Affairs (GSARA) |
|-------------|--|