

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# SC Johnson Professional® Quaternary Disinfectant end use dilution

Version 1.0

Print Date 04/25/2022

Revision Date 04/20/2022

SDS Number 350000042427

GEN\_SOF Number 56485

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

- Product name** : SC Johnson Professional® Quaternary Disinfectant end use dilution
- Recommended use** : Disinfectant
- Restrictions on use** : Use only as directed on label
- Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236
- Telephone** : +1-800-558-5252
- Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
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.
Acute toxicity	Category 4	Harmful in contact with skin.

### Labelling

#### Hazard symbols

Exclamation mark

#### Signal word

Warning

#### Hazard statements

Harmful if swallowed or in contact with skin.

#### Precautionary statements

If medical advice is needed, have product container or label at hand.

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Keep out of reach of children.  
Read label before use.  
Call a POISON CENTER/doctor if you feel unwell.  
Specific measures (see supplemental first aid instructions on this label).  
IF ON SKIN: Wash with plenty of soap and water.  
Rinse mouth.  
Wash contaminated clothing before reuse.  
Dispose of contents/ container to an approved incineration plant.  
Wear protective gloves/ protective clothing.  
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	0.10 - 1.00

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](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

#### Description of first aid measures

**Eye contact** : No special requirements

**Skin contact** : Wash off with plenty of water. Take off contaminated clothing and wash before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

**Inhalation** : No special requirements.

**Ingestion** : IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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**Most important symptoms and effects, both acute and delayed**

- Eyes : No adverse effects expected when used as directed.
- Skin effect : No adverse effects expected when used as directed.  
Harmful if absorbed through skin.
- Inhalation : May cause respiratory tract irritation.
- Ingestion : Harmful if swallowed.  
No adverse effects expected when used as directed.

**Indication of any immediate medical attention and special treatment needed**

See Description of first aid measures unless otherwise stated.

**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** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

**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** : Dike large spills.  
Clean residue from spill site.

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**cleaning up**

**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.  
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.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

**Personal protective equipment**

**Respiratory protection** : No special requirements.

**Hand protection** : Wear suitable gloves.

**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. Smoking, eating and drinking should be prohibited in the application area.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Form</b>	: liquid
<b>Color</b>	: blue green
<b>Odour</b>	: odourless
<b>Odour Threshold</b>	: Test not applicable for this product type
<b>pH</b>	: 11.0
<b>Melting point/freezing point</b>	: Test not applicable for this product type
<b>Initial boiling point and boiling range</b>	: Test not applicable for this product type
<b>Flash point</b>	: does not flash
<b>Evaporation rate</b>	: Test not applicable for this product type
<b>Flammability (solid, gas)</b>	: No data available
<b>Upper/lower flammability or explosive limits</b>	: Test not applicable for this product type
<b>Vapour pressure</b>	: Test not applicable for this product type
<b>Vapour density</b>	: Test not applicable for this product type
<b>Relative density</b>	: 1.00 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	: soluble
<b>Partition coefficient: n-</b>	: Test not applicable for this product type

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**octanol/water**

**Auto-ignition temperature** : Test not applicable for this product type

**Decomposition temperature** : Test not applicable for this product type

**Viscosity, dynamic** : Test not applicable for this product type

**Viscosity, kinematic** : Test not applicable for this product type

**Oxidizing properties** : Test not applicable for this product type

**Volatile Organic Compounds Total VOC (wt. %)\*** : 0.1 % - additional exemptions may apply  
\*as defined by US Federal and State Consumer Product Regulations

**Other information** : None identified :

**10. STABILITY AND REACTIVITY**

**Reactivity** : No dangerous reaction known under conditions of normal use.

**Chemical stability** : Stable under recommended storage conditions.

**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.

**Incompatible materials** : 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**

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

**Acute inhalation toxicity** : LC50 > 10 mg/L

**Acute dermal toxicity** : LD50 > 2,000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	Category 4	Oral
Acute toxicity	Category 4	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/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	-

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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)	0.032 mg/l	34 d

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Alkyl dimethyl benzyl ammonium chloride	EC50	Daphnia (water flea)	0.012 mg/l	48 h
	NOEC	Daphnia magna	0.0042 mg/l	21 d

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**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Alkyl dimethyl benzyl ammonium chloride	EC50	Pseudokirchneriella subcapitata (green algae)	0.049 mg/l	72 h

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Alkyl dimethyl benzyl ammonium chloride	95.5 %	28 d	Readily biodegradable.

**Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alkyl dimethyl benzyl ammonium chloride	79 Measured	3.91

**Mobility**

Component	End point	Value
Alkyl dimethyl benzyl ammonium chloride	Koc	-1640329 Measured

**PBT and vPvB assessment**

Component	Results
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.

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**14. TRANSPORT INFORMATION**

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

**Land transport**

Not classified as dangerous in the meaning of transport regulations.

**Sea transport**

Not classified as dangerous in the meaning of transport regulations.

**Air transport**

Not classified as dangerous in the meaning of transport regulations.

**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.

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

**State Right To Know**

No components are subject to the Massachusetts Right to Know Act.		
No components are subject to the Minnesota "Right To Know" Act		
No components are subject to the New Jersey "Right To Know" Act		
Pennsylvania RTKL	Water	7732-18-5

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**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	0
<b>Flammability</b>	0
<b>Reactivity</b>	0

**NFPA Ratings**

<b>Health</b>	0
<b>Fire</b>	0
<b>Reactivity</b>	0
<b>Special</b>	-

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)
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# SC Johnson Professional Quaternary Disinfectant Cleaner

Version 1.2

Print Date 04/25/2022

Revision Date 11/22/2021

SDS Number 350000029705

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : SC Johnson Professional Quaternary Disinfectant Cleaner

**Recommended use** : Disinfectant

**Restrictions on use** : Use only as directed on label

**Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

**Telephone** : +1-800-558-5252

**Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
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
Flammable liquids	Category 3	Flammable liquid and vapour.
Acute toxicity	Category 4	Harmful if swallowed.
Acute toxicity	Category 4	Harmful in contact with skin.
Skin corrosion	Category 1B	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.

### Labelling

#### Hazard symbols

Flame  
Corrosion  
Exclamation mark

#### Signal word

Danger

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### Hazard statements

Flammable liquid and vapour.  
Harmful if swallowed or in contact with skin.  
Causes severe skin burns and eye damage.

### Precautionary statements

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
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/doctor.  
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.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
In case of fire: Use alcohol-resistant foam, carbon dioxide or dry sand to extinguish.  
Immediately call a POISON CENTER/doctor.  
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 in a well-ventilated place. Keep cool.  
Store locked up.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/ container to an approved incineration plant.  
Dispose of contents/ container to an approved incineration plant.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof [electrical/ventilating/lighting/ .?] equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.

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Wear protective gloves.  
Do not breathe dust or mist.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
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	5.00 - 10.00
Decyldimethyloctylammonium chloride	32426-11-2	5.00 - 10.00
Secondary ethoxylated alcohol	84133-50-6	5.00 - 10.00
Didecyldimethylammonium chloride	7173-51-5	1.00 - 5.00
Tetrasodium ethylene diamine tetraacetate	64-02-8	1.00 - 5.00
Ethyl alcohol	64-17-5	1.00 - 5.00
Dimethyldioctylammonium chloride	5538-94-3	1.00 - 5.00
Sodium metasilicate	6834-92-0	1.00 - 5.00

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](http://www.whatsinsidescjohnson.com).

### 4. FIRST AID MEASURES

**Description of 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/doctor. Get medical attention immediately.
- Skin contact** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off with plenty of water. Take off contaminated clothing and wash before reuse. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER/doctor.
- 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/doctor if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

- Eyes** : Causes serious eye damage.
- Skin effect** : Causes severe skin burns.  
No adverse effects expected when used as directed.  
Harmful if absorbed through skin.
- Inhalation** : May cause respiratory tract irritation.
- Ingestion** : Harmful if swallowed.  
Causes digestive tract burns.  
No adverse effects expected when used as directed.

**Indication of any immediate medical attention and special treatment needed**

See Description of first aid measures unless otherwise stated.

**5. FIREFIGHTING MEASURES**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during** : Flammable liquid. Vapors are heavier than air and may travel

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- firefighting** to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Container may melt and leak in heat of fire.
- Further information** : Cool and use caution when approaching or handling fire-exposed containers. For large quantities of flammable liquids, consider containment to prevent the spread of fire. 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.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.  
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** : Soak up with inert absorbent material.  
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.  
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** : Keep away from sources of ignition - No smoking.  
Take measures to prevent the build up of electrostatic charge.

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Use only non-sparking tools.  
Use explosion-proof equipment.  
Ground/bond container and receiving equipment.

### Storage

**Requirements for storage areas and containers** : Keep container closed when not in use.  
Keep tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Components	CAS-No.	mg/m <sup>3</sup>	ppm	Non-standard units	Basis
Ethyl alcohol	64-17-5	1,900 mg/m <sup>3</sup>	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** : Wear suitable gloves.  
Rubber gloves

**Eye protection** : Safety glasses with side-shields  
Wear splash-resistant Chemical goggles.

**Skin and body protection** : Protective footwear.

**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

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<b>Form</b>	: liquid
<b>Color</b>	: blue green
<b>Odour</b>	: odourless
<b>Odour Threshold</b>	: Test not applicable for this product type
<b>pH</b>	: 13.0
<b>Melting point/freezing point</b>	: Test not applicable for this product type
<b>Initial boiling point and boiling range</b>	: Test not applicable for this product type
<b>Flash point</b>	: 58 °C 136.4 °F Method: ASTM D 56
<b>Evaporation rate</b>	: Test not applicable for this product type
<b>Flammability (solid, gas)</b>	: No data available
<b>Upper/lower flammability or explosive limits</b>	: Test not applicable for this product type
<b>Vapour pressure</b>	: Test not applicable for this product type
<b>Vapour density</b>	: Test not applicable for this product type
<b>Relative density</b>	: 1.005 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	: soluble

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<b>Partition coefficient: n-octanol/water</b>	: Test not applicable for this product type	
<b>Auto-ignition temperature</b>	: Test not applicable for this product type	
<b>Decomposition temperature</b>	: Test not applicable for this product type	
<b>Viscosity, dynamic</b>	: 23 mPa.s	
<b>Viscosity, kinematic</b>	: Test not applicable for this product type	
<b>Oxidizing properties</b>	: Test not applicable for this product type	
<b>Volatile Organic Compounds Total VOC (wt. %)*</b>	: 2.7 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
<b>Other information</b>	: None identified	:

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	: No dangerous reaction known under conditions of normal use.
<b>Chemical stability</b>	: Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
<b>Conditions to avoid</b>	: Heat, flames and sparks.
<b>Incompatible materials</b>	: Strong oxidizing agents Do not mix with bleach or any other household cleaners.

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Strong bases

**Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

**11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity** : LD50 1,050 mg/kg

**Acute inhalation toxicity** : LC50 0.4 mg/L

**Acute dermal toxicity** : LD50 1,100 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	Category 4	Oral
Acute toxicity	Category 4	Dermal
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
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	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-

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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
Decyldimethyloctylammonium chloride	No data available			
Secondary ethoxylated alcohol	LC50	Pimephales promelas (fathead minnow)	6.9 - 10.9 mg/l	96 h
Didecyldimethylammonium chloride		Pimephales promelas (fathead minnow)	0.19 mg/l	96 h
		Danio rerio (zebra fish)	0.0322 mg/l	34 d

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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
Ethyl alcohol	LC50	Fish	11,200 mg/l	96 h
Dimethyldioctylammonium chloride	semi- static test LC50	Lepomis macrochirus (Bluegill sunfish)	0.28 mg/l	96 h
	flow- through test NOEC	Pimephales promelas (fathead minnow)	18 mg/l	33 d
Sodium metasilicate	LC50	Danio rerio (zebra fish)	210 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Alkyl dimethyl benzyl ammonium chloride	EC50 OECD Test Guideline 202	Daphnia magna (Water flea)	0.016 mg/l	48 h
	NOEC	Daphnia magna	0.0042 mg/l	21 d
Decyldimethyloctylammonium chloride	No data available			

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Secondary ethoxylated alcohol	EC50	Daphnia magna (Water flea)	8.7 mg/l	48 h
Didecyldimethylammonium chloride	static test EC50	Daphnia magna (Water flea)	0.029 mg/l	48 h
	NOEC	Daphnia magna	0.01 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	static test LC50	Ceriodaphnia dubia	5,012 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d
Dimethyldioctylammonium chloride	static test EC50	Daphnia magna (Water flea)	0.066 mg/l	48 h
	flow-through test NOEC	Daphnia magna	0.027 mg/l	21 d
Sodium metasilicate	EC50	Daphnia magna (Water flea)	1,700 mg/l	48 h

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**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
Decyldimethyloctylammonium chloride	No data available			
Secondary ethoxylated alcohol	No data available			
Didecyldimethylammonium chloride	EC50	Selenastrum capricornutum, Skeletonema costatum	0.026 mg/l	96 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
Dimethyldioctylammonium chloride	Static NOEC	Desmodesmus subspicatus (green algae)	0.015 mg/l	72 h
Sodium metasilicate	EC50	Desmodesmus subspicatus (green algae)	207 mg/l	72 h

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Alkyl dimethyl benzyl ammonium chloride	95.5 %	28 d	Readily biodegradable.
Decyldimethyloctylammonium chloride	No data available		
Secondary ethoxylated alcohol	> 60 %	28 d	Readily biodegradable.
Didecyldimethylammonium chloride	69 %	28 d	Readily biodegradable.
Tetrasodium ethylene diamine tetraacetate	10 %	28 d	Not readily biodegradable.

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Ethyl alcohol	97 %	28 d	Readily biodegradable.
Dimethyldioctylammonium chloride	No data available		
Sodium metasilicate	No data available		

**Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alkyl dimethyl benzyl ammonium chloride	79 Measured	3.91
Decyldimethyloctylammonium chloride	No data available	No data available
Secondary ethoxylated alcohol	17 estimated	2.39 estimated
Didecyldimethylammonium chloride	81 Measured	2.58
Tetrasodium ethylene diamine tetraacetate	1.8 Measured	-3.86
Ethyl alcohol	3.2 estimated	-0.35 Measured
Dimethyldioctylammonium chloride	No data available	No data available
Sodium metasilicate	No data available	No data available

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**Mobility**

Component	End point	Value
Alkyl dimethyl benzyl ammonium chloride	log Koc	5.5 Measured
Decyldimethyloctylammonium chloride	No data available	
Secondary ethoxylated alcohol	No data available	
Didecyldimethylammonium chloride		-
Tetrasodium ethylene diamine tetraacetate	Koc	1046 estimated
Ethyl alcohol	No data available	
Dimethyldioctylammonium chloride	No data available	
Sodium metasilicate	No data available	

**PBT and vPvB assessment**

Component	Results
Alkyl dimethyl benzyl ammonium chloride	Not fulfilling PBT and vPvB criteria
Decyldimethyloctylammonium chloride	Not fulfilling PBT and vPvB criteria
Secondary ethoxylated alcohol	Not fulfilling PBT and vPvB criteria
Didecyldimethylammonium chloride	Not fulfilling PBT and vPvB criteria
Tetrasodium ethylene diamine tetraacetate	Not fulfilling PBT and vPvB criteria
Ethyl alcohol	Not fulfilling PBT and vPvB criteria
Dimethyldioctylammonium chloride	Not fulfilling PBT and vPvB criteria
Sodium metasilicate	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.

	<b>Land transport</b>	<b>Sea transport</b>	<b>Air transport</b>
<b>UN number</b>	2920	2920	2920
<b>UN proper shipping name</b>	Corrosive liquids, Flammable, n.o.s., (Dialkyldimethylamm onium chloride, Ethanol)	Corrosive liquids, Flammable, n.o.s., (Dialkyldimethylamm onium chloride, Ethanol)	Corrosive liquids, Flammable, n.o.s., (Dialkyldimethylammoni um chloride, Ethanol)
<b>Transport hazard class(es)</b>	8	8	8
<b>Packing group</b>	II	II	II
<b>Environmental hazards</b>	-	-	-
<b>Special precautions for user</b>	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.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

**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.

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Following is the hazard information as required on the pesticide label:

**DANGER:**

- Corrosive. Causes irreversible eye damage.
- Causes skin burns.
- Harmful if swallowed.
- Harmful if absorbed through skin.

**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
	Alkyl dimethyl benzyl ammonium chloride	68424-85-1
	Decyldimethyloctylammonium chloride	32426-11-2
	Secondary ethoxylated alcohol	84133-50-6
	Didecyldimethylammonium chloride	7173-51-5
	Tetrasodium ethylene diamine tetraacetate	64-02-8

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**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	3
<b>Flammability</b>	2
<b>Reactivity</b>	0

**NFPA Ratings**

<b>Health</b>	3
<b>Fire</b>	2
<b>Reactivity</b>	0
<b>Special</b>	-

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)
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