

### SECTION 1: Identification

#### 1.1. Product identifier

Trade name : PROMAX MICROCLEAN  
 Product code : 1300699  
 Other means of identification : Health Canada issued Drug Identification Number: 02247845

#### 1.2. Recommended use and restrictions on use

Recommended use : Hospital grade disinfectant, Deodorizer, Disinfectant-cleaner, Fungicide, Mildew remover  
 Restrictions on use : Food Plant, Industrial and Institutional use only

#### 1.3. Supplier

Project Clean Inc.  
 12 James St N, Suite 202  
 Hamilton, Ontario L8R 2J9  
 T 1 800 663 9925  
[regulatory@projectclean.com](mailto:regulatory@projectclean.com) - [www.projectclean.ca](http://www.projectclean.ca)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Canada	CHEMTREC Chemical Emergency	www.chemtrec.com	1 800 424 9300	24hr/day 7days/week within USA and Canada
Canada	CANUTEC Transportation Emergency	www.canutec.com	1 888 226 8832 *666 on a cell phone	24hr/day 7days/week within USA and Canada

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment – Acute Hazard, Category 3	H402	Harmful to aquatic life

Full text of H-statements: see section 16

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### 2.2. GHS Label elements, including precautionary statements

#### GHS CA labelling

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H402 - Harmful to aquatic life

Precautionary statements (GHS CA) : P264 - Wash hands and affected area thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor.  
P321 - Specific treatment (see supplemental first aid instruction on the product SDS).  
P332+P313 - If skin irritation occurs: Get medical advice or attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P501 - Dispose of contents and or container to hazardous or special waste collection point, in accordance with local, regional, national and or international regulation.

### 2.3. Other hazards

Other hazards which do not result in classification : Harmful to aquatic life with long lasting effects.

### 2.4. Unknown acute toxicity (GHS CA)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% w/w
Alkyl dimethyl benzyl ammonium chloride (C12-16)	Quaternary ammonium compounds, benzylalkyl(C=12-16)dimethyl, chlorides	CAS-No.: 68424-85-1	1 - 5
Didecyl dimethyl ammonium chloride	1-decanaminium, N-decyl-N,N-dimethyl-, chloride	CAS-No.: 7173-51-5	1 - 5
Dioctyldimethylammonium chloride	-	CAS-No.: 5538-94-3	1 - 5
Octyl decyl dimethyl ammonium chloride	Octyldecyldimethylammonium chloride	CAS-No.: 32426-11-2	1 - 5

*\*The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.*

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice or attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
- First-aid measures general : If you feel unwell, seek medical advice.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
- Symptoms/effects after skin contact : Irritation.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : None under normal conditions.
- Chronic symptoms : No effects known.
- Expected Symptoms/Effects, Acute and Delayed : May cause dermatitis, eye irritation, corneal oedema and chemical burns. May cause skin irritation, dermatitis, or skin burns.

### 4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.3. Specific hazards arising from the hazardous product

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

General measures : Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood. Clean up any spills as soon as possible, using an absorbent material to collect it.

#### 6.1.1. For non-emergency personnel

Protective equipment : Safety glasses (EN 166). Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls or personal protection".

Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

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- Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes.  
Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.  
Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Incompatible products : Strong oxidizing agents.  
Incompatible materials : anionic surfactants. Heat sources.  
Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources.  
Packaging materials : Store always product in container of same material as original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

<b>Materials for protective clothing:</b>
Polyethylene/ethylenevinylalcohol

<b>Hand protection:</b>
Protective gloves

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### Eye protection:

Safety glasses

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, pink liquid.
Colour	: pink
Odour	: Lavender
Odour threshold	: No data available
pH	: 6 – 7
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: $\geq 93.3$ °C
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Upper and lower flammability or explosive limit	: No data available, Not applicable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 1 – 1.05
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: Thin like water
Explosive properties	: Not explosive.
Explosive limits	: No data available

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Anionic surfactants. Strong oxidizing agents. Heat & Flame.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified

PROMAX MICROCLEAN	
LD50 oral rat	≥ 4330 mg/kg
LD50 dermal rat	≥ 67600 mg/kg
Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)	
LD50 oral rat	426 mg/kg Source: National Library of Medicine
ATE CA (oral)	426 mg/kg bodyweight
Didecyl dimethyl ammonium chloride (7173-51-5)	
LD50 oral rat	329 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, QSAR, Oral)
LD50 dermal rat	> 1000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal)
ATE CA (oral)	329 mg/kg bodyweight
ATE CA (Dermal)	1100 mg/kg bodyweight

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<b>Diocetyl dimethyl ammonium chloride (5538-94-3)</b>	
LD50 oral rat	238 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 0,198 - 0,287
ATE CA (oral)	238 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Likely routes of exposure	: Skin and eyes contact. Inhalation. Ingestion.
Expected Symptoms/Effects, Acute and Delayed	: May cause dermatitis, eye irritation, corneal oedema and chemical burns. May cause skin irritation, dermatitis, or skin burns.
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: None under normal conditions.
Chronic symptoms	: No effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Harmful to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Harmful to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

<b>PROMAX MICROCLEAN</b>	
Partition coefficient n-octanol/water (Log Pow)	No data available
<b>Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)</b>	
LC50 - Fish [1]	0.51 mg/l Source: The ECOTOXicology database
EC50 - Crustacea [1]	0.0059 mg/l Source: The ECOTOXicology database



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<b>Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)</b>	
EC50 96h - Algae [1]	4.813 mg/l Source: Ecological Structure Activity Relationships
Partition coefficient n-octanol/water (Log Pow)	3.91 Source: Quantitative Structure Activity Relation
<b>Didecyl dimethyl ammonium chloride (7173-51-5)</b>	
LC50 - Fish [1]	1 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Experimental value)
EC50 - Crustacea [1]	0.057 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Experimental value, Locomotor effect)
ErC50 algae	0.062 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth)
BCF - Fish [1]	81 (Other, 46 day(s), Lepomis macrochirus, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	4.66 (Estimated value)
<b>Diocetyl dimethyl ammonium chloride (5538-94-3)</b>	
LC50 - Fish [1]	0.28 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	0.066 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	0.025 mg/l Test organisms (species): Skeletonema costatum
NOEC (chronic)	0.027 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
LOEC (chronic)	0.046 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
<b>Octyl decyl dimethyl ammonium chloride (32426-11-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.68 Source: Ecological Structure Activity Relationships

### 12.2. Persistence and degradability

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Persistence and degradability

Not established.

<b>Didecyl dimethyl ammonium chloride (7173-51-5)</b>	
Persistence and degradability	Readily biodegradable in water.

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### 12.3. Bioaccumulative potential

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Bioaccumulative potential No bioaccumulation data available.

Partition coefficient n-octanol/water (Log Pow) No data available

<b>Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.91 Source: Quantitative Structure Activity Relation
<b>Didecyl dimethyl ammonium chloride (7173-51-5)</b>	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	81 (Other, 46 day(s), Lepomis macrochirus, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	4.66 (Estimated value)
<b>Octyl decyl dimethyl ammonium chloride (32426-11-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.68 Source: Ecological Structure Activity Relationships

### 12.4. Mobility in soil

#### PROMAX MICROCLEAN

Ecology - soil No (test) data on mobility of the substance available.

Partition coefficient n-octanol/water (Log Pow) No data available

<b>Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)</b>	
Mobility in soil	1002 Source: EPI Suite
Partition coefficient n-octanol/water (Log Pow)	3.91 Source: Quantitative Structure Activity Relation
<b>Didecyl dimethyl ammonium chloride (7173-51-5)</b>	
Surface tension	25.82 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Ecology - soil	No (test) data on mobility of the substance available.
Partition coefficient n-octanol/water (Log Pow)	4.66 (Estimated value)
<b>Octyl decyl dimethyl ammonium chloride (32426-11-2)</b>	
Mobility in soil	747.3 Source: EPI Suite
Partition coefficient n-octanol/water (Log Pow)	3.68 Source: Ecological Structure Activity Relationships

### 12.5. Other adverse effects

Ozone : Not classified

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents and or container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill.
Additional information	: Do not re-use empty containers.
Ecological information	: Avoid release to the environment.

### SECTION 14: Transport information

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable

#### 14.3. Transport hazard class(es)

##### TDG

Transport hazard class(es) (TDG) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### 14.4. Packing group

Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Special precautions for user

##### TDG

No data available

##### IMDG

No data available

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. National regulations

##### Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)

Listed on the Canadian DSL (Domestic Substances List)

##### Didecyl dimethyl ammonium chloride (7173-51-5)

Listed on the Canadian DSL (Domestic Substances List)

##### Diocetyl dimethyl ammonium chloride (5538-94-3)

Listed on the Canadian DSL (Domestic Substances List)

##### Octyl decyl dimethyl ammonium chloride (32426-11-2)

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2. International regulations

##### Alkyl dimethyl benzyl ammonium chloride (C12-16) (68424-85-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### Didecyl dimethyl ammonium chloride (7173-51-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### Diocetyl dimethyl ammonium chloride (5538-94-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

##### Octyl decyl dimethyl ammonium chloride (32426-11-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

### SECTION 16: Other information

Issue date : 05/07/2024

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Full text of H-statements:	
H315	Causes skin irritation.
H318	Causes serious eye damage.
H402	Harmful to aquatic life

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.