

## SECTION 1: Identification

### 1.1. Product identifier

Product name : MAXIM SAVALL  
 Product code : 1401190  
 Other means of identification : Canadian Drug Identification Number (DIN): 02240870

### 1.2. Recommended use and restrictions on use

Recommended use : Disinfectant and No-rinse sanitizer  
 Restrictions on use : Industrial and Institutional use only

### 1.3. Supplier

Project Clean Inc.  
 12 James St N, Suite 201A  
 Hamilton, ON L8R 2J9  
 Canada  
 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	Organization/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	613 996 6666 *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 1A H314 Causes severe skin burns and eye damage.  
 Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.  
 Full text of H-statements: see section 16

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

#### GHS CA labelling

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

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according to the Hazardous Products Regulation (February 11, 2015)

Hazard statements (GHS CA) : H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.

Precautionary statements (GHS CA) : P260 - Do not breathe mist, vapours, or spray.  
P264 - Wash hands and affected areas thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye or face protection.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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).  
P363 - Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents and or container to city or provincial or federal regulations.

### 2.3. Other hazards

No additional information available

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

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% w/w
Alkyl(C=12-18) benzyl dimethyl ammonium chloride	Alkyl(C=12-18) benzyl dimethyl ammonium chloride	CAS-No.: 68391-01-5	3 - 7
C12-14 Alkyl dimethyl ethylbenzyl ammonium chloride	Ethyl-alkyl dimethyl benzyl ammonium chloride	CAS-No.: 85409-23-0 or 68956-79-6	3 - 7

*\*The exact concentrations have been withheld as a trade secret*

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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 : Rinse skin with water or shower. Take off immediately all contaminated clothing. Call a physician immediately.
- 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 : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- First-aid measures general : Call a physician immediately.

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

- Symptoms/effects after skin contact : Burns.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : Burns.
- Chronic symptoms : Irritation of the eye tissue. Skin rash or inflammation.
- Expected Symptoms/Effects, Acute and Delayed : May cause severe burns. Corrosion of the eye tissue.

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

- Other medical advice or treatment : Treat symptomatically.

### 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

No additional information available

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

- 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

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

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### 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 : Chemical goggles or face shield with safety glasses. Standard EN 374 - Protective gloves against chemicals. Protective clothing (EN 14605 or EN 13034).

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, vapours or spray.

#### 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. Cover spill with non combustible material, e.g.: sand or earth. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

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. Do not breathe mist, vapour, or spray. 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.

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

Storage conditions : Store locked up. Store in dry, cool, well-ventilated area.

Incompatible products : Oxidizing agent. Strong bases. Strong acids.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

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### 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

<b>Materials for protective clothing:</b>
Nitrile rubber/PVC
<b>Hand protection:</b>
Protective gloves
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing
<b>Respiratory protection:</b>
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, colorless liquid.  
Colour : Colourless  
Odour : Quaternary ammonia odour  
Odour threshold : No data available  
pH : 7 – 8  
Relative evaporation rate (butylacetate=1) : No data available  
Relative evaporation rate (ether=1) : No data available  
Melting point : No data available  
Freezing point : No data available

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Initial boiling point and boiling range	: No data available
Flash point	: > 93.3 °C
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Upper and lower flammability or explosive limit	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 0.9 – 1
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

### 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	: Strong oxidizing agents. Strong bases. Strong acids.
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

MAXIM SAVALL	
ATE oral rat	4075.829 mg/kg
ATE dermal rat	22000 mg/kg

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Alkyl(C=12-18) benzyl dimethyl ammonium chloride (68391-01-5)	
ATE CA (oral)	500 mg/kg bodyweight
C12-14 Alkyl dimethyl ethylbenzyl ammonium chloride (85409-23-0 or 68956-79-6)	
LD50 oral rat	344 mg/kg bodyweight Animal: rat
ATE CA (oral)	344 mg/kg bodyweight
ATE CA (Dermal)	1100 mg/kg bodyweight

Skin corrosion/irritation	: Causes severe skin burns.
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.
Expected Symptoms/Effects, Acute and Delayed	: May cause severe burns. Corrosion of the eye tissue.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
Chronic symptoms	: Irritation of the eye tissue. Skin rash or inflammation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Alkyl(C=12-18) benzyl dimethyl ammonium chloride (68391-01-5)	
LC50 - Fish [1]	5.914 mg/l Source: EPISUITE
EC50 - Crustacea [1]	4.423 mg/l Source: EPISUITE
EC50 96h - Algae [1]	4.813 mg/l Source: EPISUITE
Partition coefficient n-octanol/water (Log Pow)	3.91 Source: EPISUITE, estimate

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### 12.2. Persistence and degradability

Persistence and degradability : Not established.

### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

#### Alkyl(C=12-18) benzyl dimethyl ammonium chloride (68391-01-5)

Partition coefficient n-octanol/water (Log Pow)	3.91 Source: EPISUITE, estimate
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### 12.4. Mobility in soil

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

#### Alkyl(C=12-18) benzyl dimethyl ammonium chloride (68391-01-5)

Mobility in soil	1002
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Partition coefficient n-octanol/water (Log Pow)	3.91 Source: EPISUITE, estimate
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### 12.5. Other adverse effects

Ozone : Not classified

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### 14.1. UN number

UN-No. (TDG) : UN1760

### 14.2. UN proper shipping name

Proper Shipping Name (TDG) : CORROSIVE LIQUID, N.O.S. (Quaternary Ammonium Chloride)

Transport document description (TDG) : UN1760 CORROSIVE LIQUID, N.O.S. (Quaternary Ammonium Chloride), 8, III

### 14.3. Transport hazard class(es)

#### TDG

Transport hazard class(es) (TDG) : 8

Hazard labels (TDG) : 8



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### 14.4. Packing group

Packing group (TDG) : III

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

TDG  
UN-No. (TDG) : UN1760  
TDG Special Provisions : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks).  
(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:  
(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S.;  
(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S.;  
(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S.;  
(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.; or  
(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.  
(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:  
(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or  
(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.

Explosive Limit and Limited Quantity Index : 5 L  
Excepted quantities (TDG) : E1  
Passenger Carrying Road Vehicle or Passenger Carrying : 5 L  
Railway Vehicle Index  
Emergency Response Guide (ERG) Number : 154

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. National regulations

**Alkyl(C=12-18) benzyl dimethyl ammonium chloride (68391-01-5)**

Listed on the Canadian DSL (Domestic Substances List)

**C12-14 Alkyl dimethyl ethylbenzyl ammonium chloride (85409-23-0 or 68956-79-6)**

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

### 15.2. International regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

**Alkyl(C=12-18) benzyl dimethyl ammonium chloride (68391-01-5)**

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

**C12-14 Alkyl dimethyl ethylbenzyl ammonium chloride (85409-23-0 or 68956-79-6)**

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

## SECTION 16: Other information

Issue date : 03/29/2023

Full text of H-statements:

H314	Causes severe skin burns and eye damage.
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H318	Causes serious eye damage.
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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.