



# Eliminator 42

## Safety Data Sheet

Date of Issue: 28/04/2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product Identifier

**Product Form:** Liquid  
**Product Name:** Eliminator 42  
**Product Code:** STC0602

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Use of the mixture:** Disinfectant/Cleaner      DIN: 02247715

#### 1.3 Details of the supplier of the safety data sheet

Sci-Tech Engineered Chemicals Inc.  
9902 90th Avenue  
Morinville AB, T8R 1K7  
Ph: 780-960-1200      Fx: 780-960-1201  
www.scitechinc.ca

#### 1.4 Emergency telephone number

CANUTEC      (613) 996-6666

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance of mixture

##### WHMIS 2015 - GHS Classification

Acute toxicity	5
Skin irritation/corrosion	2
Eye irritation/corrosion	2
Aquatic toxicity, acute	1
Aquatic toxicity, long term	1

#### 2.2 Label elements



#### WARNING

**Hazards:**      H332      Harmful if inhaled.  
                  H302      Harmful if swallowed.  
                  H315      Causes skin irritation.

H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

**Precautions:** P103 Read label before use.  
P270 Do not eat, drink or smoke when using this product.  
P280 Use personal protective equipment as required.  
P262 Do not get in eyes, on skin, or on clothing.  
P273 Avoid release to the environment.

## 2.3 Other Hazards

### SECTION 3: Composition/Information on ingredients

Component	CAS#	Concentration	LD <sub>50</sub> (rat, oral)
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	1 - 5 %	344 mg/kg
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5 40	1 - 5 %	344 mg/kg
Sodium carbonate	497-19-8	1 - 5%	4090 mg/kg
Alcohol ethoxylate	68891-48-0	1 - 5%	>2000 mg/kg
Tetrasodium EDTA	64-02-8	1 - 5%	1780 mg/kg

### SECTION 4: First-aid measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately

**Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

**Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting.

### SECTION 5: Fire fighting measures

**Extinguishing media:** Use media appropriate for surrounding fire

**Chemical hazards:** In closed unventilated containers, risk of rupture due to the increased pressure from decomposition. Use water spray to cool unopened containers.

**Protective equipment for fire fighters:** Positive pressure SCBA and standard firefighter bunker gear.

### SECTION 6: Accidental release measures

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use an absorbent material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## SECTION 7: Handling and storage

**Precautions for handling:** Protect material from direct sunlight. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

**Condition for safe storage:** DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials.

## SECTION 8: Exposure controls/personal protection

**Control parameters:** Use in an area with good general ventilation. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Appropriate engineering controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Personal protective equipment:** Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Wear safety glasses with side shield.

## SECTION 9: Physical and chemical properties

<b>Appearance:</b>	Clear yellow liquid
<b>Odour:</b>	Mild
<b>Odour threshold:</b>	n.av.
<b>pH:</b>	11.5
<b>Melting point:</b>	n.av.
<b>Initial boiling point and boiling range:</b>	n.av.
<b>Flash point</b>	n.ap
<b>Evaporation rate:</b>	n.av.
<b>Flammability:</b>	Non-flammable
<b>Upper/lower flammability limits:</b>	n.av.
<b>Vapour pressure:</b>	n.av.
<b>Vapour density:</b>	n.av.
<b>Relative density:</b>	1.02 g/mL
<b>Solubility:</b>	Soluble in water
<b>Partition coefficient: n-octanol/water:</b>	n.av.
<b>Auto-ignition temperature:</b>	n.av.
<b>Decomposition temperature:</b>	n.av.
<b>Viscosity:</b>	n.av.

#### SECTION 10: Stability and reactivity

<b>Reactivity:</b>	Non-reactive.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Hazardous reactions:</b>	Data not available.
<b>Conditions to avoid:</b>	Contact with incompatible materials.
<b>Incompatible materials:</b>	Strong oxidizing agents. Anionic surfactants
<b>Hazarous decomposition products:</b>	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

#### SECTION 11: Toxicological information

<b>Routes of exposure:</b>	Ingestion, inhalation, skin and eye contact.
<b>Symptoms of exposure:</b>	Causes severe skin irritation burns. Causes serious eye irritation. Harmful if swallowed. Causes skin irritation and redness. Causes eye irritation.
<b>Delayed and immediate effects:</b>	Immediately irritating to skin and eyes. Prolonged exposure to vapours may cause respiratory irritation.

**Acute toxicity estimate:** 3215 mg/kg human (oral)

#### SECTION 12: Ecological information

**Ecotoxicity:** Data not available  
**Persistence and degradability:** Expected to be readily biodegradable  
**Bioaccumulative potential:** Low potential for bioaccumulation  
**Mobility in soil:** Data not available  
**Other adverse effects:** Data not available

#### SECTION 13: Disposal considerations

Product should be disposed of in accordance to provincial or state and local government requirements prior to disposal. If the product was supplied in a single use container, care should be taken to dispose of the container in a responsible manner in accordance to local regulations.

#### SECTION 14: Transport information

**Canadian TDG:** Not regulated

#### SECTION 15: Regulatory information

**DSL:** All components are listed on the Canadian DSL

#### SECTION 16: Other information

**Prepared by:** Sci-Tech Engineered Chemicals Research and Development Department

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