SCI-TECH
ENGINEERED CHEMICALS INC.

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Eliminator 125

Safety Data Sheet

Date of Issue: 28/04/2017

Date revised: January 14, 2021

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

1.1 Product Identifier

Product Form: Liquid

Product Name: Eliminator 125

Product Code: STC0601

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

Use of the mixture: Disinfectant/Cleaner DIN: 02247703

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, oral	4
Acute toxicity, inhalation	2
Skin irritation/corrosion	1
Eye irritation/corrosion	1
Aquatic toxicity, acute	1
Aquatic toxicity, long term	2

2.2 Label elements

WARNING

Hazards: Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage. Causes

serious eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Response: Collect spillage. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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. Specific treatment is urgent (see this label). Wash contaminated clothing before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Hazards

SECTION 3: Composition/Information on ingredients

Component	CAS#	Concentration	LD_{50} (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	5 - 10%	>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: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

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

Appearance:	Clear yellow liquid
Odour:	Mild
Odour threshold:	n.av.
pH:	11.5
Melting point:	n.av.
Initial boiling point and boiling range:	n.av.
Flash point	n.ap
Evapouration rate:	n.av.
Flammability:	Non-flammable
Upper/lower flammability limits:	n.av.
Vapour pressure:	n.av.
Vapour density:	n.av.
Relative density:	1.03 g/mL
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	n.av.
Auto-ignition temperature:	n.av
Decomposition temperature:	n.av.
Viscosity:	n.av

SECTION 10: Stability and reactivity

Reactivity:	Non-reactive.
Chemical stability:	Stable under normal conditions.
Hazardous reactions:	Data not available.
Conditions to avoid:	Contact with incompatible materials.
Incompatible materials:	Strong oxidizing agents. Anionic surfactants
Hazardous decomposition products:	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

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

Acute toxicity estimate: 2591 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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