

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Myristyl-gamma-picolinium chloride  
Catalogue Number: : 0002748-88-1AA-00  
  
Supplier / Manufacturer : Dalton Pharma Services  
349 Wildcat Road  
Toronto, Ontario M3J 2S3 CANADA  
Phone: 1-800-567-5060

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### GHS Classification

Acute toxicity - oral (Category 3)

#### GHS Label elements, including precautionary statements



Pictogram

Signal word Danger

Hazard statement(s)

H301 Toxic if swallowed.

Precautionary statement(s)

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a POISON CENTER or doctor/physician.

P302+P352 If on skin: Wash with plenty of soap and water.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container to an approved waste disposal plant.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Myristyl-gamma-picolinium chloride; MGPC; Pyridinium, 4-methyl-1-tetradecyl-, chloride

Formula : C<sub>20</sub>H<sub>36</sub>ClN

CAS-No.	EC-No.	Index-No.	Concentration
2748-88-1	220-387-1	-	100 %

## 4. FIRST AID MEASURES

### General advice

Immediately remove any clothing contaminated by the product. Move out of dangerous area. Consult a physician and show this safety data sheet.

### If inhaled

If inhaled, move person to fresh air. If not breathing, give artificial respiration and consult a physician.

### In case of skin contact

Wash affected area with soap and water. Consult a physician if any exposure symptoms are observed.

**In case of eye contact**

Immediately flush open eyes with running water for at least 15 minutes. Consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.

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**5. FIREFIGHTING MEASURES**

**Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions - Carbon oxides, nitrogen oxides, hydrogen chloride

**Explosion data - sensitivity to mechanical impact**

no data available

**Explosion data - sensitivity to static discharge**

no data available

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 15-30°C

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal protective equipment**

**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Hygiene measures

General industrial hygiene practice.

#### Specific engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form	solid
Colour	white to off-white

#### Chemical Properties

pH	Between 3.5 and 7.0 in 0.1 % w/v solution in WFI
Melting point/freezing point	> 72 °C (dec.)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Auto-ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Relative vapor density	no data available
Odour	odourless
Odour Threshold	no data available
Evaporation rate	no data available

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### 10. STABILITY AND REACTIVITY

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

Formation of toxic gases is possible during heating or in case of fire.

#### Conditions to avoid

Dust generation.

#### Materials to avoid

Strong oxidizing agents.

#### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions - Carbon oxides, nitrogen oxides, hydrogen chloride.

Other decomposition products - no data available

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Oral LD50

LD50 = 250 mg/kg (rat, oral)

LD50 = 200 mg/kg (rat, subcutaneous)

LD50 = 7.5 mg/kg (rat, intraperitoneal)

LD50 = 30 mg/kg (rat, intravenous)

##### Inhalation LC50

no data available

**Dermal LD50**

no data available

**Other information on acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**Additional Information**

RTECS: Not available

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**12. ECOLOGICAL****INFORMATION Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

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**13. DISPOSAL CONSIDERATIONS****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

**DOT**

UN/ID no	UN2811
Hazard Class	6.1
Packing Group	III
Proper shipping name	Toxic solids, organic, n.o.s.
Description	UN2811, Toxic solids, organic, n.o.s., 6.1, III
Emergency Response Guide Number	154

**IMDG**

UN/ID no	UN2811
Hazard Class	6.1
Packing Group	III
Proper shipping name	Toxic solid, organic, n.o.s.
Description	UN2811, Toxic solid, organic, n.o.s., 6.1, III
Special Provisions	223, 274
EmS-No	F-A, S-A

**IATA**

UN/ID no	UN2811
Hazard Class	6.1
Packing Group	III
Proper shipping name	Toxic solid, organic, n.o.s.
Description	UN2811, Toxic solid, organic, n.o.s., 6.1, III
ERG Code	6L

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**15. REGULATORY INFORMATION**

**Non-Domestic Substances List (NDSL)**

This substance is registered on the NDSL (Canada).

**TSCA Chemical Inventory**

This product is on the EPA Toxic Substance Control Act (TSCA) inventory (ID: 8418). The product is supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720 et seq. The health risks have not been fully determined. Any information that is or becomes available will be supplied on the SDS.

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**16. OTHER INFORMATION**

**Further information**

The opinions expressed herein are those of qualified experts within Dalton Pharma Services, information from our suppliers and data presented in various technical publications. We believe that the information contained herein is current as of the data of this Material Safety Data Sheet. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary.