Company

Fax

Formula

# Material Safety Data Sheet

Concentration

Page 1 of 4

Page 2 of 4

Page 3 of 4

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name Trigonelline hydrochloride

Product Number T5509 Brand Fluka

2149 Winston Park Drive OAKVILLE ON L6H 6J8 CANADA

: Sigma-Aldrich Canada, Ltd.

: +19058299500 Telephone : +19058299292 : 800-424-9300

Emergency Phone # 2. COMPOSITION/INFORMATION ON INGREDIENTS

: 1-Methylpyridinium-3-carboxylatehydrochloride Synonyms

N-Methylnicotinic acid betainehydrochloride

: C<sub>7</sub>H<sub>7</sub>NO<sub>2</sub> · HCl

: 173.6 g/mol Molecular Weight CAS-No. EC-No.

3-Carboxy-1-methylpyridinium chloride 6138-41-6 228-119-5 3. HAZARDS IDENTIFICATION

Index-No.

Not WHMIS controlled.

#### WHMIS Classification Not WHMIS controlled.

HMIS Classification

0 Health Hazard:

Flammability: 0 Physical hazards: 0 Potential Health Effects May be harmful if inhaled. May cause respiratory tract irritation. Inhalation

May cause eye irritation. Eyes Ingestion May be harmful if swallowed. 4. FIRST AID MEASURES

#### If breathed in, move person into fresh air. If not breathing give artificial respiration Fluka - T5509

lf inhaled

Skin

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May be harmful if absorbed through skin. May cause skin irritation.

# riush eyes with water as a precaution.

In case of skin contact

In case of eye contact

Wash off with soap and plenty of water.

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Flammable properties

Special protective equipment for fire-fighters

Ignition temperature no data available Suitable extinguishing media

Flash point

5. FIRE-FIGHTING MEASURES

Wear self contained breathing apparatus for fire fighting if necessary. 6. ACCIDENTAL RELEASE MEASURES

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

no data available

Personal precautions Avoid dust formation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Environmental precautions Do not let product enter drains. Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Handling

7. HANDLING AND STORAGE

protection. Storage

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire

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

Hand protection

Safety glasses

Fluka - T5509

Hygiene measures

Personal protective equipment

Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95

government standards such as NIOSH (US) or CEN (EU).

Contains no substances with occupational exposure limit values.

For prolonged or repeated contact use protective gloves. Eye protection

General industrial hygiene practice.

crystalline

no data available

260 °C (500 °F)

no data available

white

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(US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate

## Boiling point no data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash point Ignition temperature Lower explosion limit no data available

Appearance Form

Colour

Safety data

Melting point

рΗ

Water solubility no data available 10. STABILITY AND REACTIVITY Storage stability Stable under recommended storage conditions. Materials to avoid Strong oxidizing agents Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

Upper explosion limit no data available

Sensitisation no data available Chronic exposure

probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as

May be harmful if inhaled. May cause respiratory tract irritation.

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May be harmful if absorbed through skin. May cause skin irritation. Sigma-Aldrich Corporation

Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation

Skin

Eyes

Ingestion

12. ECOLOGICAL INFORMATION

Ecotoxicity effects no data available

no data available

Product

DOT (US)

IATA

Fluka - T5509

11. TOXICOLOGICAL INFORMATION

Irritation and corrosion

Acute toxicity no data available

no data available

IARC:

Elimination information (persistence and degradability) no data available

May cause eye irritation.

May be harmful if swallowed.

### Observe all federal, state, and local environmental regulations. Contaminated packaging Dispose of as unused product.

13. DISPOSAL CONSIDERATIONS

Further information on ecology

Not dangerous goods IMDG Not dangerous goods

14. TRANSPORT INFORMATION

Not dangerous goods

3-Carboxy-1-methylpyridinium chloride

15. REGULATORY INFORMATION DSL Status

16. OTHER INFORMATION

WHMIS Classification Not WHMIS controlled. Not WHMIS controlled.

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

Further information

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CAS-No. 6138-41-6

Sigma-Aldrich Corporation Fluka - T5509 Page 4 of 4 www.sigma-aldrich.com