SIGMA-ALDRICH

sigma-aldrich.com SAFETY DATA SHEET Version 4.1 Revision Date 04/05/2014

Print Date 04/05/2014 Print Date 11/20/2018

1. PRODUCT AND COMPANY IDENTIFICATION

| 1.1 | Product identifiers Product name | : | Methyl 6-chloropyridine-3-carboxylate |
|-----|---|-------|---|
| | Product Number Brand REACH No. CAS-No. | : | 631175 Aldrich A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. 73781-91-6 |
| 1.2 | Relevant identified uses of | of th | ne substance or mixture and uses advised against |
| | Identified uses | : | Laboratory chemicals, Manufacture of substances |
| 1.3 | Details of the supplier of | the | safety data sheet |
| | Company | : | Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA |
| | Telephone Fax | : | +1 800-325-5832 +1 800-325-5052 |
| 1.4 | Emergency telephone nu | mbe | er |
| | Emergency Phone # | : | +1-703-527-3887 (CHEMTREC) |

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A), H319 Skin sensitisation (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



| Signal word | Warning |
|---|--|
| Hazard statement(s) H317 H319 | May cause an allergic skin reaction. Causes serious eye irritation. |
| Precautionary statement(s) P261 P264 P272 P280 P302 + P352 P305 + P351 + P338 | Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

| P321 | Specific treatment (see supplemental first aid instructions on this label). |
|-------------|---|
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/ attention. |
| P363 | Wash contaminated clothing before reuse. |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| ousstanoes | | |
|------------|---|------------------------------|
| Synonyms | : | Methyl 6-chloronicotinate |
| | | Methyl 6-chloro-3-picolinate |

| Formula | : | C7H6CINO2 |
|-----------------------------|---|----------------------------|
| Molecular Weight CAS-No. | | 171.58 g/mol 73781-91-6 |

Hazardous components

| Component | Classification | Concentration |
|---|---------------------------------------|---------------|
| Methyl 6-chloropyridine-3-carboxylate | | |
| | Eye Irrit. 2A; Skin Sens. 1; | - |
| | H317, H319 | |
| For the full text of the H-Statements mer | tioned in this Section see Section 16 | · |

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

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

4.2 Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information no data available

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
- 6.2 Environmental precautions Do not let product enter drains.
- 6.3 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.
- 6.4 **Reference to other sections** For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

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

Skin 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.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| a)AppearanceForm: powder Colour: off-whiteb)Odourno data availablec)Odour Thresholdno data availabled)pHno data availablee)Melting point/freezing pointMelting point/range: 86 - 90 °C (187 - 194 °F) - litf)Initial boiling point and boiling rangeno data availableg)Flash pointno data availableh)Evapouration rateno data availablei)Flammability (solid, gas)no data availablej)Upper/lower flammability or explosive limitsno data availablek)Vapour pressureno data availablen)Water solubilityno data availablen)Water solubilityno data availablen)Water solubilityno data availablen)Water solubilityno data availablen)Partition coefficient: n- octanol/waterlog Pow: 1.622p)Auto-ignition temperatureno data availableq)Decomposition temperatureno data availabler)Viscosityno data availables)Explosive propertiesno data availables)Explosive propertiesno data availablei)Ocidizing propertiesno data availablenodata availableno data availablen)water solubilityno data availablen)water solubilityno data availablen)temperatureno data availablen)temperatureno | | • • | |
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| Other safety information | s) | Explosive properties | no data available |
| • | t) | Oxidizing properties | no data available |
| | | | |

10. STABILITY AND REACTIVITY

| 10.1 | Reactivity no data available |
|------|--|
| 10.2 | Chemical stability Stable under recommended storage conditions. |
| 10.3 | Possibility of hazardous reactions no data available |
| 10.4 | Conditions to avoid no data available |
| 10.5 | Incompatible materials Strong oxidizing agents |
| 10.6 | Hazardous decomposition products Other decomposition products - no data available |

9.2

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity no data available

Inhalation: no data available

Dermal: no data available

no data available

Skin corrosion/irritation no data available

Serious eye damage/eye irritation no data available

Respiratory or skin sensitisation 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.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity no data available

no data available

Specific target organ toxicity - single exposure no data available

Specific target organ toxicity - repeated exposure no data available

Aspiration hazard no data available

Additional Information

RTECS: Not available

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

- 12.2 Persistence and degradability no data available
- **12.3 Bioaccumulative potential** no data available

12.4 Mobility in soil

no data available

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12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

15. REGULATORY INFORMATION

REACH No.

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

:

| Pennsylvania Right To Know Components | | |
|---------------------------------------|-----------------------|---------------|
| Methyl 6-chloropyridine-3-carboxylate | CAS-No. 73781-91-6 | Revision Date |
| New Jersey Right To Know Components | | |
| Methyl 6-chloropyridine-3-carboxylate | CAS-No. 73781-91-6 | Revision Date |

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

| Eye Irrit. | Eye irritation |
|------------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |

Skin Sens. Skin sensitisation

| HMIS Rating | |
|------------------------|--------|
| Health hazard: | 2 |
| Chronic Health Hazard: | |
| Flammability: | 0 |
| Physical Hazard | 0 |
| , | |
| NFPA Rating | |
| | 2 |
| NFPA Rating | 2 0 |

Further information

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Preparation Information

Sigma-Aldrich Corporation Product Safety – Americas Region 1-800-521-8956

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