

Version: 4.0

Revision date: 01/01/2025

Product Name: METHYL-2-THIOFUROATE

Section 1: Identification of the Substance/Mixture and of the Company

Product identifier

Product Name METHYL-2-THIOFUROATE

Product Number 772-3279

Relevant identified use of the substance/mixture and uses advised against

Use of Substance/Mixture Fragrance agent

Details of supplier of the SDS

Company O'Laughlin Corporation Limited

Address Suite 903, The Chinese Bank Building, 61-65 Des Voeux Road, Central, Hong Kong

Telephone (852) 2527 1031

Fax (852) 2529 0231

Website www.olaughlinco.com

Emergency telephone number

(852) 2527 1031

Section 2: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation, Category 2, H315.

Serious eye damage/eye irritation, Category 2, H319.

Specific target organ systemic toxicity – single exposure; Respiratory tract irritation, Category 3, H335.

Labelling elements

Labelling according to Regulation (EC) No 1272/2008



Pictogram

Signal word Warning

Hazard Statement

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary statement

Prevention

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 - Wash thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

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

Response

P302, P352 - If on skin, wash with plenty of soap and water.



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P304, P340 - If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON CENTER or doctor/ physician if you feel unwell.

P305, P351, P338 - If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing.

P337, P332, P313 - If eye irritation persists or skin irritation occurs, get medical advice/attention.

P362 - Take off contaminated clothing and wash before re-use.

Storage

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

P405 - Store locked up.

Disposal

P501 - Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Hazards Not Otherwise Classified No information available

Supplemental Hazard Information No information available

Section 3: Composition/information on ingredients

Substance Name	METHYL-2-THIOFUROATE
CAS Number	13679-61-3
EC Number	237-177-0
% (w/w)	100

Remarks: The rest unspecified ingredients are impurities, and they are not hazard.

Section 4: First Aid Measures

Description of first aid measures

Skin contact	In case of contact, immediately wash skin with soap and copious amounts of water.
Eye contact	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.
Ingestion	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation	If breathed in, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

Indication of any immediate medical and special treatment needed: No information available.

Section 5: Fire-fighting Measures

Flammable properties

Flash point	94°C
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Firefighting

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Do not use water jet.

Protective equipment and precautions for firefighters



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Specific hazards during firefighting

Carbon oxides, Sulphur oxides.

Specific protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Specific methods

Use water spray to cool unopened containers.

General fire hazards

No information available.

Section 6: Accidental Release Measures

Personal precautions

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Environmental precautions

No information available.

Methods for cleaning up

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition. No smoking. Take measures to prevent the build up of electrostatic charge.

Specific end use(s)

No information available.

Section 8: Exposure Controls/Personal Protection

Control parameters: Components with workplace control parameters.

Exposure controls

Appropriate engineering controls

Mechanical exhaust required. Safety shower and eye bath. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye protection

Chemical safety goggles.

Hand protection

Compatible chemical-resistant gloves.

Body protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH or CEN. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination or type ABEK respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Thermal hazards

Wear suitable protective clothing to prevent heat.

Environmental exposure controls

Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Industrial hygiene:

When using do not smoke. Keep away from food and drink. Always observe good

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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.

Section 9: Physical and Chemical Properties

Appearance	Colorless to yellow liquid
Odor	Onion
Flash point	94 °C
Specific Gravity	1.230 - 1.241 at 25 °C
Refractive Index	1.567 - 1.573 at 20 °C
CONTENT	≥97%
Solubility (ies)	No information available.
Auto ignition temperature	No information available.
Viscosity	No information available.

Section 10: Stability and Reactivity

Reactivity	Stable under normal temperatures and pressures.
Chemical stability	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	No information available.
Incompatible materials	Strong oxidizing agents, strong bases.
Hazardous decomposition products	Carbon oxides, Sulphur oxides.

Section 11: Toxicological Information

Information on likely routes of exposure:

Inhalation	May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
Skin contact	Causes skin irritation.
Eye contact	Causes eye irritation.
Ingestion	Harmful if swallowed.

Information on toxicological effects:

Oral/Parenteral Toxicity	No information available.
Dermal Toxicity	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	
OSHA	No information available.
IARC	No information available.
ACGIH	No information available.
NTP	No information available.
Reproductive toxicity	No information available
TOST - single exposure	No information available.



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TOST - repeated exposure

No information available.

Aspiration hazard

No information available.

Section 12: Ecological Information

Eco toxicity

No information available.

Persistence and degradability

No information available.

Bio accumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT&vPvB assessment

No information available.

Other adverse effects

No information available.

Section 13: Disposal Considerations

Disposal instructions

Contact a licensed professional waste disposal service to dispose of this material. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous water code

No information available.

Waste from residues/unused products

No information available.

Contaminated packaging

No information available.

Section 14: Transport Information

RID/ADR: Not dangerous goods.

IMDG: Not dangerous goods.

IATA:

UN Number	3334
Shipping Name	Aviation regulated liquid, n.o.s. (Methyl 2-thiofuroate)
Hazard Class	9
Packing group	III
Environmental Hazards	Yes

Section 15: Regulatory Information

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazards Substance List (40 CFR 302.4)

Not listed

OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)

Not listed

SARA 302 Extremely hazardous substances

Not listed

SARA 311/312 Hazard Chemical

Not listed

SARA 313 (TRI reporting)

Not regulated



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Other federal regulations

CAA Section 112 Hazardous Air Pollutant List	Not regulated
CAA Section 112 (r) Accidental Release Prevention (40 CFR 68.130)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated

US State regulations

US. Massachusetts RTK-Substance List	Not listed
US. New Jersey Worker and Community Right-to-Know Act	Not regulated
US. Pennsylvania Worker and Community Right-to-Know Law	Not listed
US. Rhode Island RTK	Not regulated
US. California Proposition 65	Not listed

International Inventories

Country or region	Inventory name	On inventory (yes/no)
Australia	AICS	Yes
Canada	DSL	Yes
Canada	NDSL	No
China	IECSC	Yes
Europe	EINECS	Yes
Europe	ELINCS	No
Japan	ENCS	Yes
Korea	ECL	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	PICCS	Yes
US and Puerto Rico	TSCA	Yes

Section 16: Other Information

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Date of this version: Jan.1, 2025

Declaration to Reader

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. O'Laughlin Corporation Limited, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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