

# Safety Data Sheet

Release 1.0  
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BIOSYNTH®

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## 1 Identification of the substance

### 1.1 Product identifier

Identification of the substance Methoxycarbonyl isothiocyanate

Additional identification

Catalogue Number FM180907

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

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

Identified uses other biochemicals

Restriction on use not for food or drug use, for laboratory use only

### 1.3 Details of the supplier of the safety data sheet

Company Biosynth Ltd  
8&9 Old Station Business Park  
COMPTON RG20 6NE  
Phone +44 1635 578444  
Mail customerservice@biosynth.com

### 1.4 Emergency telephone number

Phone 24hr/7days: +44 118 338 8269

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### Physical Hazards

not classified

#### Health Hazards

Acute toxicity inhalation (Category 3), H331

Acute toxicity dermal (Category 3), H311

Acute toxicity oral (Category 3), H301

#### Environmental Hazards

not classified

### 2.2 Label elements

#### Regulatory List

EC1272/08 Regulation (EC) 2020/8785 (GHS/CLP)

#### Symbol

GHS06 skull and crossbones

#### Pictogram



#### Signal Word

Danger Danger

#### Hazard Statement

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

#### Precautionary Statement

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P361	Remove/Take off immediately all contaminated clothing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P405	Store locked up.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.
P304+P340	IF INHALED: Remove casualty to fresh air and keep at rest in a position comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P311	Call a POISON CENTER or doctor/physician.

### 2.3 Other hazards

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

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## 3 Composition/information on ingredients

### Substance related information

<i>Substance name</i>	Methoxycarbonyl isothiocyanate
<i>Synonyms</i>	
<i>Cas No.</i>	[35266-49-0]
<i>Formula</i>	C <sub>3</sub> H <sub>3</sub> NO <sub>2</sub> S

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## 4 First aid measures

### 4.1 Description of first aid measures

#### First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

#### First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

#### First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Hints for Physician: Symptoms

See Section 11 for additional information on health hazards

### 4.3 Indication of any immediate medical attention and special treatment needed

#### First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

#### Hints for Physician: Treatment

Treat symptomatically.

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## 5 Firefighting measures

### 5.1 Extinguishing Media

#### Suitable

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

### 5.2 Special hazards arising from the substance or mixture

Wear a self-contained breathing apparatus and chemical protective clothing.

### Hazards During Fire-Fighting

toxic fumes

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**5.3 Fire-Fighting/Further Advice**

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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**6 Accidental release measures****6.1 Personal Precautions, protective equipment and emergency procedures**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

**6.2 Environmental Precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

**6.3 Methods and material for containment and cleaning up**

not available

**6.4 Further Accidental Release Measures**

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

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**7 Handling and storage****7.1 Precautions for safe handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities****Storage temperature**

store at 2°C - 8°C

**Storage Requirements**

Keep away from incompatible substances. Keep container tightly closed when not in use.

**7.3 Specific end use(s)****Specific end use(s)**

No Specific end use

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**8 Exposure controles/personal protection****8.1 Exposure limit values**

Does not contain any substances with occupational exposure limits.

**8.2 Exposure controles****Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

**8.3 Personal Protective Equipment****Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

**Hand Protection**

Wear compatible chemical-resistant gloves to prevent skin exposure.

**Eye Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

**Body Protection**

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

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**9 Physical and chemical properties****9.1 Information on basic Physical and chemical color properties***Form*

clear liquid

*Phase Transition Liquid/Gas*

132.5 °C

*Density*

1.21 g/cm<sup>3</sup>

*Flash Point*

34 °C

**9.2 Other information**

*Molar Mass*  
117.13 g/mol

**10 Stability and reactivity****10.1 Reactivity**

No Data Available

**10.2 Chemical stability**

No Data Available

**10.3 Possibility of hazardous reaction**

No Data Available

**10.4 Conditions to Avoid (SDS)**

incompatible materials

**10.5 Incompatible materials**

strong oxidizers

**10.6 Hazardous decomposition products**

nitrogen oxides (NOx), carbon dioxide (CO<sub>2</sub>), sulphur oxides, carbon monoxide

**11 Toxicological information****11.1 Information on toxicological effects****Other Relevant Toxicity Information**

We are not aware of any toxicology data.

**12 Ecological Information****12.1 Toxicity**

<b>Acute toxicity versus Fishing</b>	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available
<b>Acute toxicity in aquatic plants</b>	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available
<b>Acute toxicity versus Daphnia and others aquatic invertebrates</b>	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available

**12.2 Persistence and degradability**

Remarks : no data available

**12.3 Bioaccumulative potential**

Remarks : no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

no data available

**13 Disposal considerations****Advice on Disposal and Packaging***Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

*Advice on Packaging*

not available

**14 Transport information**

	Road Transport(ADR/GGVS)	Air Transport(IATA)
14.1 UN number	2810	2810
14.2 UN proper shipping name	TOXIC LIQUID, ORGANIC, N.O.S. (Methoxycarbonyl isothiocyanate)	TOXIC LIQUID, ORGANIC, N.O. S. (Methoxycarbonyl isothiocyanate)
14.3 Transport hazard class(es)	6.1	6.1
14.4 Packing group	II	II
14.5 Environmental hazard class (es)	Not Dangerous Goods	Not Dangerous Goods
14.6 Special precautions for user	Transport in bulk or in tanks: see long text.	Not applicable
14.7 Transport in bulk according to Annex 11 of MARPOL and the IBC code	Not applicable	Not applicable

## 15 Other regulations

### Other Regulations

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Methoxycarbonyl isothiocyanate	-----	-----	-----

Regulatory List  
TSCA

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

## 16 Additional information

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