

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## 1-Ethylimidazole

Revision Date: 5/23/2025

Version: 3

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name	1-Ethylimidazole
Product code	KI-0003
CAS	7098-07-9
EC-Number	230-403-9
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.

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

Identified uses	Laboratory chemicals, Manufacture of substances
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#### 1.3 Details of the supplier of the safety data sheet

Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Email	msds@iolitec.de

#### 1.4 Emergency telephone number

Emergency telephone	+49 (0)151-41255671
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## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Acute Toxicity, Oral (Category 4)

Skin Irritation (Category 2)

Eye Damage (Category 1)

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)



#### Pictogram

#### Signal word

**Danger**

#### H-phrases

H302

Harmful if swallowed.

H315

Causes skin irritation.

H318

Causes serious eye damage.

#### P-phrases

P264

Wash skin thoroughly after handling.

P270

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

P280

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

P301 + P330 + P312

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352

IF ON SKIN: Wash with soap and water.

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P305 + P351 + P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P332 + P313	If skin irritation: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### *Ecological information:*

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### *Toxicological information:*

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

1-Ethylimidazole

**CAS:** 7098-07-9

**EC-Number:** 230-403-9

Ingredient name	Contents	Classification
1-Ethylimidazole	>98%	Acute Tox. Oral 4; Skin Irrit. 2; Eye Dam. 1

### 4 FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General

Take off contaminated clothing and wash it before reuse. Immediately call a POISON CENTER or doctor/physician.

##### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory problems, provide artificial respiration/oxygen.

##### Ingestion

Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

##### Skin

Remove/Take off contaminated clothing. Rinse skin with soap and water. If skin irritation occurs: Get medical advice/attention.

##### Eyes

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse. Get medical attention immediately.

#### 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

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

No data available

## 5 FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

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

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

Avoid water in straight hose stream, will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. Vapours may form explosive mixture with air.

### 5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and avoid inhalation of vapor, skin or eye contact. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 Environmental precautions

Avoid washing into water courses. Avoid contaminating public drains or water supply.

### 6.3 Methods and materials for containment and cleaning up

Avoid contact with skin or inhalation of spillage, dust or vapor. Avoid dust formation. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

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### 7 HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

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

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Handle and store under inert gas.

[Storage class \(TRGS 510\): LGK 10-13](#)

#### 7.3 Specific end use(s)

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

### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### 8.1 Control parameters

Ingredients with workplace control parameters

#### 8.2 Exposure controls

##### Eye/face protection

Safety goggles. Chemical resistant gloves. Protective clothing.

##### 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### 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

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of

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protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) or CEN (EU).

### 9 PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

a) Appearance	Liquid
b) Color	Colorless to yellow
c) Odor/taste	No characteristic odor.
d) Melting point/freezing point	-27 °C
e) Initial boiling point	104 °C at 35 hPa
f) Flammability	no data available
g) Upper/lower explosive limits	19.6% // 2.1%
h) Flash point	91.5 °C
i) Autoignition temperature	no data available
j) Decomposition temperature	no data available
k) pH	no data available
l) Viscosity, kinematic	2.18 mm <sup>2</sup> /s
m) Water solubility	soluble
n) Partition coefficient	no data available
o) Vapor pressure	0.4 hPa (20 °C)
p) Density	0.995
q) Relative vapor density	no data available
r) Particle characteristics	not relevant
s) Explosive properties	not relevant
t) Oxidizing properties	not relevant

#### 9.2 Other safety information

No data available

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### 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

Avoid contact to acids and strong oxidizers.

#### 10.5 Incompatible materials

Strong oxidizing agents and acids.

#### 10.6 Hazardous decomposition products

High temperatures generate: Corrosive gases/ vapor/ fumes of: Carbon dioxide (CO<sub>2</sub>).  
Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>).

### 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information on hazard classes

##### Acute toxicity

Acute Toxicity, Oral (Cat. 4)

Acute Toxicity, Dermal – no data available

Acute Toxicity, Inhalation – no data available

##### Skin corrosion/irritation

Skin Irritation (Cat. 2)

Serious Eye Damage (Cat. 1)

##### Serious eye damage/eye irritation

no data available

##### Respiratory or skin sensitization

no data available



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### Germ cell mutagenicity

no data available

### Carcinogenicity

No data available

### Reproductive toxicity

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

### otential health effects

**Inhalation** no data available

**Ingestion** Harmful if swallowed

**Skin** Causes skin irritation.

**Eyes** Causes serious eye damag.

### Signs and Symptoms of Exposure

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

### 11.2 Information on other hazards

#### Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU)2018/605 at levels of 0.1% or higher.

### Additional Information

RTECS: Not available.

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### 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.

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU)2018/605 at levels of 0.1% or higher.

#### 12.7 Other adverse effects

No data available

### 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Contact specialist disposal companies. Dispose of in accordance with Local Authority requirements. Recover and reclaim or recycle, if practical. Do not dispose in communal waste water.

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### 14 TRANSPORT INFORMATION

#### 14.1 UN number

No dangerous good for transportation.

#### 14.2 UN proper shipping name

No dangerous good for transportation

#### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

#### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

#### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

#### 14.6 Special precautions for user

No data available

### 15 REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### 15.2 Chemical safety assessment

no data available

#### Country specific information

Germany

WGK: 3

(Self-Classification)

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### 16 OTHER INFORMATION

#### DISCLAIMER

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