

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Imidazole

Revision Date: 5/26/2025

Version: 3

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

#### 1.1 Product identifier

Product name	Imidazole
Product code	KI-0035
CAS	288-32-4
EC-Number	206-019-2
List-Number	613-319-00-0
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



ROCO

Distributor

1816 Parkway View Drive,  
Pittsburgh, PA 15205  
✉ Info@roco.global  
724-315-9170  
www.roco.global

#### 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 corrosion (Category 1C)

Eye Damage (Category 1)

Reproductive toxicity (Category 1B) – May damage the unborn child.

### 2.2 Label elements

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



Pictogram

Signal word

Danger

Additional labeling element

Restricted for professional users.

### H-phrases

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H360D

May damage the unborn child.

### P-phrases

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P260

Do not breathe dust / fume.

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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 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.

## 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

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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.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Imidazole

**CAS:** 288-32-4

**EC-Number:** 206-019-2

**List-Number:** 613-319-00-0

Ingredient name	Contents	Classification
1-H-Imidazole	>98%	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Repr. 1B

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General

Get medical attention immediately. Show this safety data sheet to the doctor in attendance.

#### Inhalation

If breathed in, move person into fresh air. If not breathing give artificial respiration  
Get medical attention.

#### Ingestion

Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

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### Skin

Take off immediately all contaminated clothing. Wash off with soap and plenty of water. Get medical attention immediately.

### Eyes

Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. 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

### 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, fog or mist. Carbon dioxides (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc.

### 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 as combustion may produce hazardous fumes.

## 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.

### 6.2 Environmental precautions

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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.

Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

## 6.4 Reference to other sections

For disposal see section 13.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

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

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

Chemical storage. Store locked up.

Storage class (TRGS 510): LGK 8A

### 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 glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

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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

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).

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	solid
b) Color	white
c) Odor/taste	No data available
d) Melting point/freezing point	88 – 91 °C
e) Initial boiling point	256 °C
f) Flammability	no data available
g) Upper/lower explosive limits	no data available
h) Flash point	145 °C
i) Autoignition temperature	480 °C
j) Decomposition temperature	no data available
k) pH	no data available
l) Viscosity, kinematic	no data available

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<b>m) Water solubility</b>	6.8 g/L (20 °C)
<b>n) Partition coefficient</b>	no data available
<b>o) Vapor pressure</b>	0.003 hPa (20 °C)
<b>p) Density</b>	1.030 g/cm <sup>3</sup>
<b>q) Relative vapor density</b>	no data available
<b>r) Particle characteristics</b>	not relevant
<b>s) Explosive properties</b>	not relevant
<b>t) Oxidizing properties</b>	not relevant

## 9.2 Other safety information

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 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>).

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### 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 corrosion (Cat. 1C)

##### Serious eye damage/eye irritation

Eye damage (Cat. 1)

##### Respiratory or skin sensitization

no data available

##### Germ cell mutagenicity

not classified

##### Carcinogenicity

no data available

##### Reproductive toxicity

Reproductive toxicity (Cat. 1B) – Unborn child

##### Specific target organ toxicity - single exposure

Not classified

##### Specific target organ toxicity - repeated exposure

Not classified

##### Aspiration hazard

not classified

##### Potential health effects

**Inhalation** No data available.

**Ingestion** Harmful if swallowed.

**Skin** Causes sever skin burns.

**Eyes** Causes serious eye damage.

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### 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

No additional information available

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

Not classified.

### 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

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.

### 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



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## 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: 1

(Self-Classification)

## 16 OTHER INFORMATION

### DISCLAIMER

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