

Safety data for imidazole



[Glossary](#) of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

General

Synonyms: 1,3-diaza-2,4-cyclopentadiene, glyoxaline

Molecular formula: $C_3H_4N_2$

CAS No: 288-32-4

EINECS No: 206-019-2

Physical data

Appearance: white to yellow crystals or powder, with an amine odour

Melting point: 89 - 91 C

Boiling point: 165 - 168 C at 20 mm Hg

Vapour density:

Vapour pressure: 0.003 mbar at 20 C

Density ($g\ cm^{-3}$): 1.03

Flash point:

Explosion limits:

Autoignition temperature: 480 C

Water solubility: 633 g/l at 20 C

Stability

Stable. Incompatible with acids, strong oxidizing agents. Protect from moisture.

Toxicology

Corrosive - causes burns. Harmful by ingestion or inhalation. May cause serious burns to the skin or eyes.

Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 970 mg kg⁻¹

SCU-RAT LD50 626 mg kg⁻¹

ORL-MUS LD50 1880 mg kg⁻¹

IPR-MUS LD50 300 mg kg⁻¹

IVN-MUS LD50 475 mg kg⁻¹

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R20 R22 R34 R41.

Ecological information

Biodegradable.

Personal protection

Safety glasses, gloves, adequate ventilation.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

S26 S36 S37 S39 S45.

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