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.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]
