

Safety data for 2-naphthol

[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: betanaphthol, beta-naphthol, beta-hydroxynaphthalene, isonaphthol

Use:

Molecular formula: $C_{10}H_7OH$

CAS No: 135-19-3

EINECS No: 205-182-7

Annex I Index No: 604-007-00-5

Physical data

Appearance: white or off-white powder with a slight phenolic odour

Melting point: 122 C

Boiling point: 285 C

Vapour density: 4.97

Vapour pressure:

Density ($g\ cm^{-3}$): 1.22

Flash point: 161 C

Explosion limits:

Autoignition temperature:

Water solubility: negligible

Stability

Stable. Combustible. Dust may form an explosive mixture with air. Incompatible with strong oxidizing agents, phenol.

Toxicology

Harmful if swallowed or inhaled. May be harmful in contact with the skin. Eye, skin and respiratory irritant.

Toxicity data

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

ORL-RAT LD50 1960 mg kg⁻¹

IPR-MUS LD50 98 mg kg⁻¹

Risk phrases

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

R20 R22 R50.

Environmental information

Very toxic to aquatic organisms.

Transport information

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

UN No 3077. Hazard class 9. Packing group III..

Personal protection

Safety glasses, adequate ventilation. Do not release into the environment.

Safety phrases

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

S24 S25 S61.

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

SPECIFICATION:

2-Naphthol

99+%

99+%

2-Hydroxynaphthalene

$C_{10}H_8O$

$C_{10}H_7OH$

F.W.144.17

[135-19-3]