

Safety (MSDS) data for potassium hydrogen phthalate



General

Synonyms: hydrogen potassium phthalate, phthalic acid potassium salt, potassium biphthalate, potassium acid phthalate, 1,2-benzenedicarboxylic acid monopotassium salt

Use: acid standard for titrations

Molecular formula: $C_8H_5O_4K$

CAS No: 877-24-7

EINECS No: 212-889-4

Physical data

Appearance: white crystalline powder

Melting point: ca. 295 C (decomposes)

Boiling point:

Vapour density:

Vapour pressure:

Density ($g\ cm^{-3}$): 1.64

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: soluble

Stability

Stable. Incompatible with strong oxidizing agents.

Toxicology

Irritant. Chronic exposure may cause allergic reaction in sensitive individuals.

Toxicity data

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

ORL-RAT LD50 > 3200 mg kg⁻¹

SKN-GPG LD50 > 1000 mg kg⁻¹

Risk phrases

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

R36 R37 R38.

Transport information

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

Non-hazardous for air, sea and road freight.

Personal protection

Safety glasses.

Safety phrases

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

S22 S24 S25.

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