

Safety (MSDS) data for diethyl phosphite

General

Synonyms: diethyl hydrogen phosphite

Molecular formula: C₄H₁₁O₃P

CAS No: 762-04-9

EC No: 212-091-6

Physical data

Appearance: colourless liquid

Melting point:

Boiling point: 50 C at 2 mm Hg

Vapour density:

Vapour pressure:

Specific gravity: 1.072

Flash point: 82 C

Explosion limits:

Autoignition temperature:

Stability

Stable. Incompatible with strong oxidizing agents, strong acids, acid chlorides, strong bases. May decompose on exposure to moisture. Combustible.

Toxicology

Skin, eye and respiratory irritant. May be harmful by inhalation, ingestion or through skin contact. Toxicology not fully investigated.

Toxicity data

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

ORL-RAT LD50 3900 mg kg⁻¹

Risk phrases

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

R36 R37 R38.

Transport information

Personal protection

Safety glasses, adequate ventilation.

Safety phrases

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

S26 S36 S37 S39.

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This information was last updated on April 6, 2005. We have tried to make it as accurate and useful as possible,