

Safety data for octanoic acid



[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: caprylic acid, n-octic acid, 1-heptanecarboxylic acid, C-8 acid, neo-fat 8, octic acid, n-octic acid, n-octylic acid, n-caprylic acid

Use: chemical intermediate

Molecular formula: $C_8H_{16}O_2$

CAS No: 124-07-2

EC No: 204-677-5

Physical data

Appearance: colourless oily liquid

Melting point: 16 C

Boiling point: 237 C

Vapour density: 5

Vapour pressure: 1 mm Hg at 78 C

Specific gravity: 0.91

Flash point: 110 C

Explosion limits:

Autoignition temperature:

Water solubility: slight

Stability

Stable. Incompatible with bases, reducing agents, oxidizing agents. Flammable.

Toxicology

Corrosive - causes burns. Material is extremely destructive of mucous membranes. May be harmful if ingested, inhaled or absorbed through skin.

Toxicity data

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

ORL-RAT LD50 10080 mg kg⁻¹

IVN-MUS LD50 600 mg kg⁻¹

SKN-RBT LD50 > 5000 mg kg⁻¹

Risk phrases

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

R10 R34 R36 R37 R38.

Transport information

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

UN No 3265. Hazard class 8. Packing group III.

Personal protection

Safety glasses, rubber gloves. Suitable ventilation.

Safety phrases

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

S26 S27 S36 S37 S39.

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

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