



Specialized in chemicals

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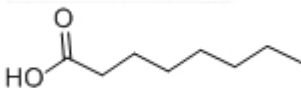
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Technical Data Sheet

Octanoic acid

Product Information

Product Name	Octanoic acid
Synonyms	Caprylic acid; N-Caprylic acid;C8; 1-Heptanecarboxylic acid; 1-octanoic acid
CAS No.	124-07-2
EINECS No.	204-677-5
Molecular formula	C ₈ H ₁₆ O ₂
Molecular weight	144.21
Chemical structure	



Physical Properties

Appearance	Colorless to pale yellow transparent liquid
Melting Point	16°C
Boiling Point	237 °C
Density	0.91 g/mL at 25°C
Vapour Density	5 (vs air)
Vapour Pressure	1mm Hg (78°C)
FEMA	2799
Refractive Index	n ₂₀ /D 1.428 (lit.)
Flashing Point	>230°F
Water solubility	0.68 g/L (20°C)

Specification

Items	Premium grade	Ordinary grade
Appearance	Colorless to pale yellow transparent liquid	Colorless to pale yellow transparent liquid
Odor	Stimulating odor, after diluted fruit aromal	Stimulating odor, after diluted fruit aromal
Assay	≥99.0%	≥98.0%
Refractive Index (20°C)	1.4280	1.4285
Relative Density(25°C)	0.9100 ~ 0.9130	0.9150
Heavy metal (Pb)	≤0.001%	≤0.001%
Acid value	382-390 mgKOH/g	/
Saponification value	384-390 mgKOH/g	/

Safety

Corrosive liquid, acidic, organic.

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1) Mainly used for flavors & essences; GB2760-96 rules to allow the use of edible spices; US ECFR § 170.3 (O) (2)] is used as Cheese bread preservative.
- 2) Used in the production of esters used in perfumery and also in the manufacture of dyes;
- 3) Used in organic synthesis and pharmaceutical industry;
- 4) Also used as insecticide, fungicide, anti-rust agent, corrosion inhibitor, foaming agent, antifoaming agents, etc.

Packaging

180kg per blue plastic drum;

Total 14.4MT per 20ft container on pallets(without pallets)

Storage

Keep in a cool & well-ventilated place. Keep container tightly closed. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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