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## Technical Data Sheet

# Hexanoic acid

### Product Information

Product Name	Hexanoic acid
Synonyms	Caproic acid;N-Caproic Acid;Hexoic acid;Acid C6,Caproic acid;Butylacetic acid; n-Hexylic acid
CAS No.	142-62-1
EINECS No.	205-550-7
Molecular formula	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>
Molecular weight	116.16
Chemical structure	



### Physical Properties

Appearance	Colorless to pale yellow transparent liquid
Density	0.927 g/mL at 25°C(lit.)
Melting Point	-4°C
Boiling Point	202-203°Cs
Vapour Density	4 (vs air)
Vapour Pressure	0.18 mm Hg ( 20°C)
FEMA	2559
Refractive Index	n <sub>20</sub> /D 1.4161(lit.)
Flashing Point	220°F
Water solubility	1.1 g/100 mL (20°C)
Solubility	Soluble in methanol, diethyl ether. Partially soluble in cold water.

## Specification

Items	Premium grade	Ordinary grade
Appearance	Colorless to pale yellow transparent liquid	Colorless to pale yellow transparent liquid
Odor	Cheese aroma & Sweat smell	Cheese aroma & Sweat smell
Assay (By GLC)	≥99.0%	≥98.0%
Refractive Index (20°C)	1.415~1.418	1.415-1.418
Relative Density (25°C)	0.923 - 0.928g/cm <sup>3</sup>	0.923 - 0.928g/cm <sup>3</sup>
Boiling Range	≥95.0%	≥95.0%

## Safety

Corrosive liquid, acidic, organic.

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

- 1) Mainly used for dispensing caproate as flavouring agent.
- 2) Mainly used in cheese, butter and fruit flavor.
- 3) In pharmaceutical industry, has been used in the preparation of resorcinol.
- 4) Used for spices, lubricating oil thickener, rubber processing chemicals, varnish driers agent.
- 5) One of the important aroma components of wine and for the preparation of various types of food flavor, also can be used as raw material synthetic fragrances. Increase the concentration of the acid liquor, adding an appropriate amount to improve the quality of liquor, eliminate complex flavor, add a strong sense of liquor, so after taste wine cellar outstanding.

## Packaging

180kg per blue plastic drum or 190kg per blue plastic drum;

Total 14.4MT or 15.2MT per 20ft container on pallets(without pallets)

## Storage & Handling

Keep container dry. Keep in a cool place. Ground all equipment containing material.

Corrosive materials should be stored in a separate safety storage cabinet or room.

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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