



Jiangxi Yordo Molecular Chemical Co.,Ltd.

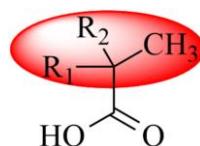
Spark Industrial Park Economic Development Zone Yunshan Yongxiu Jiangxi, CHINA

Neodecanoic acid—A10

CAS no.: 26896-20-8

Description:

Neodecanoic acid is a saturated monobasic fatty acid with highly branched chain on α -carbon, the structure is as follows:



R₁ and R₂ are alkyl, and R₁ and R₂ contain 7 carbon atoms in total.

Application:

Neodecanoic acid is a key intermediate for processing and manufacturing various products, which has excellent hydrolysis stability, thermal stability and chemical reagent stability. It has a very good solubility in non-polar compounds, which makes it widely used.

These properties of neodecanoic acid are due to their highly branched tertiary alkane groups, which make their properties obviously different from primary and secondary carbonic acids.

Neodecanoic acid metal salt is used for:

- Tire adhesive;
- Paint drier;
- PVC stabilizer;

Neodecanoyl chloride is used in the following synthesis:

- Peroxide initiator;
- Pesticide chemistry;
- Medicine;

Neodecanoic acid monomer is used for:

- Metal extractant;
- Lubricating oil;



- Cosmetics;

Specifications:

Property	Test method	Unit	Value
Acid value	GB/T 1668-2008	mg KOH/g	320-330
Colour	GB 3143-1982	Pt-Co	≤ 100
Water content	GB/T 6283-2008	%m/m	≤ 0.1
Appearance	GB/T 11405-2006	--	Clear liquid , free from suspended matter

典型性质:

Property	Test method	Unit	Value
Odour	--	--	Strong
Density at 20°C	ASTM D1298	kg/L	0.91
Boiling range at 760 mmHg	ASTM D1078	°C	270 – 280
Freezing point	ASTM D97	°C	< -30
Vapour pressure at 20 °C	--	kPa	< 0.02
Flash point (PMCC)	ASTM D93	°C	129
Viscosity at 20°C	ASTM D445	mm ² /s	45

* 100mmHg decompression measurement

Packaging, storage, transportation:

The product is packed with 200 liter plastic barrels. Container are used when the product is transported in bulk. Please use Neodecanoic acid strictly according to our MSDS. For more information, contact the Operations Department of our company.

The information contained in this publication is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.