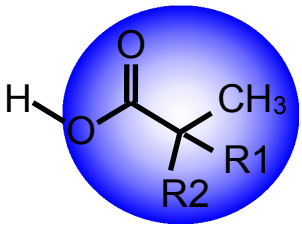
Neodecanoic Acid-Prime Grade(SC10)

Introduction

Neodecanoic Acid is a highly branched saturated α-monocarboxylic acid. Its structure may be represented as:



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Shina™=shield-neo-carboxylic-acid

Where R1 and R2 are alkyl groups. It contains ten carbon atoms and its chemical name is Neodecanoic Acid.

The trade name for our Neo carboxylic Acid is **Shina™** meaning **shield- neo-carboxylic-acid**.

The trade name for the Neodecanoic Acid of Hebei Shield is **Shina™-10**

Applications

Neodecanoic Acid are key intermediates in the manufacture of products which require excellent hydrolytic stability, heat resistance and resistance to attack from a wide variety of chemical agents. They have excellent solubility in non-polar compounds such as organic polymers and plastics allowing them to be utilized in a wide variety of systems.

These properties originate from the highly branched alkyl groups that contain a tertiary alpha-carbon atom. The improved performance is especially demonstrated in comparison with other linear and secondary acids.

Neodecanoic Acid metal salt derivatives are commonly used in:

(1) Tire Adhesives

(2) Paint Driers

(3) PVC Stabilizers

Neodecanoic Acid chloride derivatives are typically used in the synthesis of:

(1) Peroxide Initiators

(2) Agrochemicals

(3) Pharmaceuticals

Unmodified Neodecanoic Acid are used for:

(1) Metal Extraction Agents

(2) Oils and Lubricants

Specifications

Property	Test method	Unit	Value
Acid value	GB/T 5530	mg KOH/g	320-330
Neutrals	WI-QA-TM-26	% m/m	≤ 1
Colour	GB 3143	Pt-Co(hazen)	≤ 100
Water	GB/T 6283	%m/m	≤ 0.1
Appearance	WI-QA-TM-34	——	Clear liquid

Typical Properties

Property	Test method	Unit	Value
Odour	——	——	Strong
Density at 20℃	ASTM D1298	kg/L	0.91
Boiling range at 760 mm Hg	ASTM D1078	℃	270-280
Melting point	ASTM D97	℃	<-30
Vapour pressure at 20℃	——	kPa	<0.02
Flash point(PMC)	ASTM D93	℃	129
Miscibility with water	——	——	Negligible
Viscosity at 20℃	ASTM D445	mm^2/s	45

Test Methods

ASTM Standards are published by the American Society for Testing and Materials. Is recommended national standards GB/T,WI-QA-TM methods are Hebei Shield test methods. Local analytical methods may be used in technical preference to quoted specification test methods. However, the latter remain the reference method in the event of dispute.

Packaging, Transport and Storage

The product is packed with 200-liter drums. ISO-tanks are used when the product is transported in bulk. Please use Shina™-10 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.