



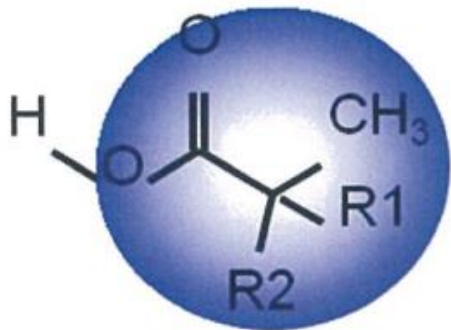
Technical Data sheet

Product Name :

Chemical Name: Neodecanoic Acid

CAS No: 26896-20-8

Versatic™ acid 10 is a synthetic, highly branched-C10 tertiary carboxylic acid. Versatic acid 10 is also known as neodecanoic acid. Its structure may be represented as



R1+R2 = 7 carbon atoms

R1 and R2 are alkyl groups. Versatic Acid 10 contains a total of 10 carbon atoms. Versatic Acid 10 is a water-like clear product that is liquid at ambient temperature.

Applications

Versatic acids are key intermediates in the production of materials with excellent hydrolytic stability and resistance to heat and to attack from a wide variety of chemical agents.

Versatic Acid 10 can be used in its acid form, but for many applications the product is typically first converted into an acid chloride or metal salt.

The acid chloride is produced by reaction with, for example, phosgene or PCl_3 and is used in the production of peroxides for polymer production. Metal salts, e.g. Cobalt, copper or Zinc salts of versatic Acid 10 are used in applications such as tire adhesives, paint driers, PVC heat stabilisers, chemical processing catalysts, unsaturated polyester cure catalysts, wood preservatives and fuel additives.



Versatic Acid 10 quality standard

Test Parameters	Test method	Unit	Test result
Acid Value	ASTM D1980	Mg KOH/g	320-330
Neutral	ASTM D 1209	Pt- Co	< 100
Chromaticity	ASTM E203	%m/m	< 0.1
Moisture Content	SYTM 01	--	Liquid

Typical Properties

Quality	Test Method	Unit	Value
Density	ASTM D1298	Kg/L	0.91
Boiling point range 760mm Hg	ASDM D1078	°C	270-280
Melting point	ASTM D97	°C	< -30
Vapor pressure 20°C		Kpa	< 0.02
Flash PMC	ASTM D93	°C	129
Miscibility with water			
Viscosity at 20°C	ASTM D445	Mm ² /s	45