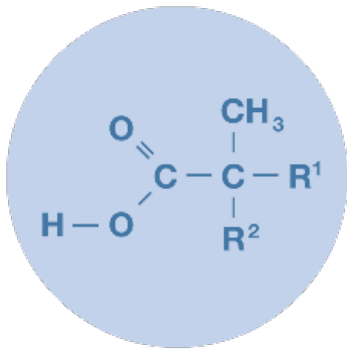


Technical Data Sheet

Versatic™ Acid 9

Description

Versatic Acid 9 is a synthetic, highly branched-C9 tertiary carboxylic acid. Versatic Acid 9 is also known as neononanoic acid. Its structure can be represented as:



R1 and R2 are alkyl groups. Versatic Acid 9 contains a total of 9 carbon atoms. Versatic Acid 9 is a water-like clear product that is liquid at temperature above 20°C.

Application Areas/Suggested Uses

Versatic Acid 9 is a key intermediate in the manufacture of a variety of products, which typically show excellent hydrolytic stability and resistance to various chemical agents.

Versatic Acid 9 can be used in its acid form, but for many applications, the product is typically first converted into an acid chloride. Metal salts of Versatic Acid 9 are used in various application fields such as synthesis catalyst, resin curing catalyst, PVC heat stabilizers. Additionally, Versatic Acid 9 can be also used as corrosion inhibitor in various oil based or synthetic lubricants (e.g. metalworking fluids).

Sales Specifications

Property	Value	Unit	Test Method
Versatic Acid 9	94.0 min.	% m/m	LPM5108
Water	0.1 max.	% m/m	ASTME203
Appearance	Clear and free from suspended matter		LPM5037

Typical Properties

Property	Value	Unit	Test Method
Typical composition			
Versatic Acid 8	2.0 max	% m/m	LPM5108
Versatic Acid 10	1.0 max	% m/m	LPM5108
Relative molecular mass	158		
Density at 40°C	<930	kg/m ³	ASTMD4052
Boiling Point	235	°C	ASTMD1078
Acid value as KOH	348 - 352	mg/g	ASTMD1980
Miscibility With Water	Negligible		

Test Methods

ASTM Standards are published by the American Society for Testing and Materials, 100 Barr Harbor Drive, west Conshohocken, PA 19428-2959, USA or can be found under www.astm.org.

General information about LPM methods can be obtained upon request from Hexion VAD B.V.

Handling Precautions

For more detailed information on all aspects relating to Health, Safety and Handling, reference should be made to the Safety Data Sheet of Versatic Acid 9 which is available from your local Hexion representative or distributor. The precautions advised therein should be strictly observed.

Transportation and Storage

Information on transport, storage, suitable materials for tank construction, etc., is available from Hexion, via local representative or distributor.

Versatic Acid 9 should preferably be stored between 35 - 55 °C (minimum storage temperature 20°C at which material will become solid) in conditions such that moisture is excluded, in the original containers protected from direct sunlight in a dry, cool and well-ventilated area and kept tightly closed. Under these conditions, the shelf life should be a one year from the issue date of Certificate of Analysis.

Contact Information

For contact information about this product, go to www.hexion.com and visit the contacts page. As function of your region, you will find contact details.