

# Shell LINEVOL® 911

## TECHNICAL DATASHEET

SICC Product Code: V9332  
CAS Registry Number: 66455-17-2

### Description

LINEVOL 911 is a blend of C9, C10 and C11 high purity primary alcohols manufactured using the Shell Hydroformylation (SHF) process. LINEVOL alcohols are used as intermediates to produce high quality plasticizers.

### Specification Properties - LINEVOL 911

Property	Unit	Value	Method <sup>a</sup>
<b>Normality</b>	%m/m	>80	SMS 2914
<b>Color</b>	Pt-Co (APHA)	<10	ASTM D1209
<b>Carbonyl as C=O</b>	mg/kg	<80	SMS 2097
<b>Acid Number</b>	eq/100g	<0.0005	SMS 2912
<b>Water</b>	%m/m	<0.1	ASTM E1064
<b>Appearance</b>	CSFVM <sup>b</sup>	Pass	Visual

Notes:

a SMS = Shell Method Series. b CSFVM = Clean and substantially free of Visible impurities.

### Typical Physical Properties - Heptane

Property	Unit	Value	Method
<b>C8 Alcohols &amp; Lower</b>	%m/m	<1	SMS 2914
<b>C9 Alcohols</b>	%m/m	18	SMS 2914
<b>C10 Alcohols</b>	%m/m	42	SMS 2914
<b>C11 Alcohols</b>	%m/m	38	SMS 2914
<b>C12 Alcohols &amp; Higher</b>	%m/m	<2	SMS 2914
<b>Total Hydrocarbons</b>	%m/m	<0.5	SMS 2914
<b>Density @ 25°C</b>		<0.827	ASTM D4052
<b>Molecular Mass</b>	g/mol	158-164	Calculated



<b>Flash Point</b>	°C	108	ASTM D92
	°F	226	ASTM D92
<b>Pour Point</b>	°C	-12	ASTM D97
	°F	10	ASTM D97
<b>Viscosity, Kinematic @ 40 °C</b>	cST or mm <sup>2</sup> /s	9	

## Test Methods

Copies of copyrighted test methods can be obtained from the issuing organizations:

- American Society for Testing and Materials (ASTM)

Shell Method Series (SMS) methods are issued by Shell Global Solutions International B.V., Shell Technology Centre, Amsterdam, The Netherlands. Requests for copies of SMS can be made through your local Shell Chemicals company.

N.B: For routine quality control local test methods may be applied. Such methods have been validated against those mentioned in this datasheet.

## Hazard Information

LINEVOL alcohols exhibit low oral, skin and respiratory toxicity. Generally, these alcohols are slightly to moderately irritating to the eyes and skin. Prolonged or repeated skin contact with undiluted alcohols may lead to defatting of the skin and ultimately cause dermatitis. Before handling the product refer to the Safety Data Sheet, which is available online or from your local Shell Chemicals representative. For detailed Hazard Information please refer to the Safety Data Sheet.

Access Safety Data Sheets here: [Safety Data Sheets](#)

## Storage and Handling

Advice on the storage and handling of LINEVOL alcohols can be found on our web site at [www.shell.com](http://www.shell.com) or by contacting your local Shell Chemicals representative.

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