



Shell Chemicals

Shell NEODENE® 1518 IO

TECHNICAL DATASHEET

SICC Product Code: V1192

CAS Registry Number: 93762-80-2

Description

Shell NEODENE® 1518 Internal Olefin (also known as SHOP C15-C18 Internal Olefin) is made by the Shell Higher Olefins Process (SHOP) by the oligomerization of ethylene.

Specification Properties – Shell NEODENE® 1518 IO

Property	Unit	Value	Method ^a
C14 & Lower	%m/m	<10	SMS 2976
C15	%m/m	15-35	SMS 2976
C16	%m/m	20-35	SMS 2976
C17	%m/m	20-35	SMS 2976
C18	%m/m	10-30	SMS 2976
C19 & Higher	%m/m	<10	SMS 2976
Appearance		CSVI ^b	Visual
Color	Pt/Co (APHA)	<10	ASTM D1209

Notes:

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

Typical Physical Properties – Shell NEODENE® 1518 IO

Property	Unit	Value	Method
Density @ 20 °C	kg/L	0.790	ASTM D4052
Boiling Point Range	°C	259-332	ASTM D86
Flash Point	°C	135	ASTM D7236
Melting/Freezing Point	°C	-6	
Kinematic Viscosity @20 °C	Mm ² /s	4.5	ASTM D445



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

Internal Olefins are potentially hazardous material; everyone concerned with handling it must be conversant with the nature of the hazards and trained in the recommended handling procedures for both normal and emergency situations. Before handling the product refer to the Safety Data Sheet that is available on our website.

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

Storage and Handling

Shell NEODENE® Internal Olefins can be supplied with or without antioxidant as requested. Advice on the storage and handling of Shell NEODENE® Internal Olefins can be found on our web site at www.shell.com or by contacting your local Shell Chemicals representative.

Shell Warranties

All products purchased or supplied by Shell chemicals companies are subject to the terms and conditions set out in the contract, order confirmation and/or bill of lading. All other information supplied by Shell chemicals companies, including that herein, is considered accurate but is furnished upon the express condition that the customer shall make its own assessment to determine a product's suitability for a particular purpose. Except as may be set forth in the applicable contract, order confirmation and/or bill of lading, Shell chemicals companies make no warranty, express or implied, including regarding any information supplied or the data upon which it is based or the results to be obtained from the use of such products or information, or concerning product, whether of satisfactory quality, merchantability, fitness for any particular purpose or otherwise, or with respect to intellectual property infringement as a result of use of information or products, and none shall be implied.

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