



Shell Chemicals

Shell NEODENE® 1618 IO

TECHNICAL DATASHEET

SICC Product Code: V1205

CAS Registry Number: 148617-57-6, 148617-59-8

Description

Shell NEODENE® 1618 Internal Olefin is produced by isomerization of NEODENE 1618 Alpha Olefin.

Typical Chemical Properties – Shell NEODENE® 1618 IO

Property	Unit	Value	Method ^a
C16	%m/m	50 - 60	SCR00250
C18	%m/m	37 – 47	SCR00250
Branched Olefin @ C16	%m/m	< 6	SMS 2976
Branched Olefin @ C18	%m/m	< 8	SMS 2976
Total n-Alpha Olefins	%m/m	< 7	SCR00249
Dimer	%m/m	< 10	SCR00250
Isomerization	%	50 - 60	SCR00249
Appearance	-	CSFVI ^b	Visual
Water	mg/kg	< 100	ASTM D1744
Color, Pt-Co	-	< 10	ASTM D1209
Total Paraffins	%m/m	< 1	SCR00251

Notes:

a: SMS -Shell Method Series

b: Clear & Substantially free of visual impurities

**Typical Physical Properties – Shell NEODENE® 1618 IO**

Property	Unit	Value	Method
Density @ 20°C	kg/m ³	790	ASTM D4052
Boiling Point Range	°C	268 - 317	-
Flash Point	°C	> 110	-
Melting / Freezing Point	°C	-20	-
Kinematic Viscosity @ 20°C	mm ² /s	5.04	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; 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.

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 NEODENE® can be found on our web site at www.shell.com or by contacting your local Shell Chemicals representative.

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