



NEODENE[®] 1618 IO

Higher Olefins

Issued: November 2015
SICC Product Code: V1205

Description:

NEODENE[®] 1618 IO is produced by isomerization of NEODENE 1618 Alpha Olefin.

General Specifications ^a	Property	Unit	Value	Method
	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

a: An official sales specification is available from your local Shell Chemicals representative.

b: Clear & Substantially free of visual impurities

Typical Physical Properties	Property	Unit	Value
	Density @ 20 °C	kg/l	0.791
	Boiling Point Range	°C	254 - 483
	Flashpoint	°C	138
	Freeze Point	°C	-2.5
	Kinematic viscosity 20 °C 40 °C	mm ² /s mm ² /s	5.3 3.3

Storage and Handling

NEODENE® Internal Olefins can be supplied with or without antioxidant as requested. Advice on the storage and handling of NEODENE® Linear Internal Olefins can be found in the Safety Data Sheet on our website at www.shell.com/chemicals/msds or by contacting your local Shell Chemicals Representative.

Hazard Identification

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 at www.shell.com/chemicals/msds or by contacting your local Shell Chemicals Representative.

Emergency Helpline

For emergency telephone numbers refer to the Safety Data Sheet relevant for your company's country and language.

Shell Warranties

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