



# NEODENE<sup>®</sup> 1518IO

## Higher Olefins

Issued: September 2020  
SICC Product Code: V1192

### Description:

NEODENE<sup>®</sup> 1518 IO (also known as SHOP C15-C18 Internal Olefin) is made by the Shell Higher Olefins Process (SHOP) by the oligomerisation of ethylene.

General Specifications <sup>a</sup>	Property	Unit	Value	Method
	C14 and 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 and higher	%m/m	< 10	SMS 2976
	Appearance		CSFVI <sup>b</sup>	Visual
	Color, Pt-Co		< 10	ASTM D1209

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	0.788
	Boiling Point Range	°C	259 – 332
	Flashpoint	°C	135
	Freezing point	°C	- 6
	Kinematic viscosity @ 20 °C	mm <sup>2</sup> /s	4.5

## Storage and Handling

NEODENE® Internal Olefins can be supplied with or without antioxidant as requested. Advice on the storage and handling of NEODENE® and SHOP Linear Internal Olefins can be found in the Safety Data Sheet on our website at [www.shell.com/chemicals/msds](http://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](http://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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