



NEODENE™ 2024

TECHNICAL DATASHEET

Higher Olefins

Updated: September 2019

SICC Product Code: V1245

Description:

- NEODENE 2024 Linear Alpha Olefin contains high purity C20, C22, and C24 alpha olefins made by the Shell Higher Process (SHOP) by the oligomerisation of ethylene.

Typical Chemical Properties ^a	Property	Unit	Value	Method
	C18 and lower	%m/m	< 7	SMS2895
	C20	%m/m	> 50	SMS2895
	C22	%m/m	< 50	SMS2895
	C24	%m/m	< 10	SMS2895
	C26 and higher	%m/m	< 3	
	Total n-Alpha Olefins	%m/m	> 90	SMS2895
	Total Branched Olefins	%m/m	< 7	SMS2895
	Total Internal Olefins	%m/m	< 3	SMS2895
	Total Paraffins	%m/m	< 0.2	SMS2895
	Appearance		CSFV ^b	Visual
	Color, Pt-Co		< 15	ASTM D1209
	Carbonyl as C=O	mg/kg	< 15	SMS2894
	Peroxides as O	mg/kg	< 3	SMS359
	Water	mg/kg	< 100	ASTM E1064

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 @ 30°C	kg/L	0.788
	Boiling Point Range	°C	314 - 412
	Flash Point	°C	171
	Freezing Point	°C	>20
	Kinematic Viscosity @ 40°C	mm ² /s	5.1

Storage and Handling

NEODENE and SHOP C20-C24 Alpha Olefins are normally supplied containing antioxidant unless requested otherwise. Advice on the storage and handling of NEODENE and SHOP Linear Alpha Olefins can be found in the Safety Data Sheet on our website at www.shell.com/chemicals/sds or by contacting your local Shell Chemicals Representative.

Hazard Identification

Alpha 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.

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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