



# NEODENE<sup>®</sup> 2022

## Higher Olefins

Issued: January 2017

SICC Product Code: V1131

### Description:

NEODENE<sup>®</sup> 2022 Linear Alpha Olefin contains high purity C20 and C22 alpha olefins made by the Shell Higher Olefins Process (SHOP) by the oligomerisation of ethylene.

| Typical Chemical Properties <sup>a</sup> | Property               | Unit  | Value              | Method     |
|--|------------------------|-------|--------------------|------------|
|  | C18 and lower          | %m/m  | < 5                | SMS2895    |
|  | C20                    | %m/m  | > 55               | SMS2895    |
|  | C22                    | %m/m  | > 20               | SMS2895    |
|  | C24 and higher         | %m/m  | < 15               | SMS2895    |
|  | Total n-Alpha Olefins  | %m/m  | > 90               | SMS2895    |
|  | Total Branched Olefins | %m/m  | < 10               | SMS2895    |
|  | Total Paraffins        | %m/m  | < 0.2              | SMS2895    |
|  | Appearance @ 60°C      |       | CSFVI <sup>b</sup> | Visual     |
|  | Color, Pt-Co           |       | < 10               | 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               | 0.792   |
|                             | Initial Boiling point      | °C                 | 314     |
|                             | Flashpoint                 | °C                 | 176     |
|                             | Freezing point             | °C                 | 30 – 35 |
|                             | Kinematic Viscosity @ 40°C | mm <sup>2</sup> /s | 5.4     |

## Storage and Handling

NEODENE® can be supplied with or without antioxidant as requested. Advice on the storage and handling of NEODENE® can be found in the Safety Data Sheet on our website at [www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets](http://www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets) 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 that is available on our website at [www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets](http://www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets) 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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