

# KOMAD 311

## emulsifier



Alkanolamine derivative of polyisobutenyl-succinic-anhydride (PIBSA).

### Application

Emulsifier for emulsion type explosives, typically used in ammonium nitrate and fuel oil (ANFO) type of formulations.

Generally applicable in water-in-oil (W/O) emulsions.

### Features and benefits

Halogen-free

Burns without forming toxic halogen-substances.  
Non-corrosive.

Ashless

Burns without forming ash and deposits.  
Ensures longer lifetime for exhaust gas treatment systems.

Excellent emulsifying effect

Forms stable emulsions.

### Properties

Properties	Typical values
Appearance	brown, viscous liquid
Density at 15°C [g/cm <sup>3</sup> ]	1,01
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	500
Base number (BN) [mg KOH/g]	60
Nitrogen content (Kjeldahl) [mass %]	1.50

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

Store in the original container in dry, properly ventilated area.

Keep away from direct flame and other sources of ignition.

Protect from direct sunlight.

During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

For further details please read the Material Safety Data Sheet of the product.

Recommended blending and pumping temperature is 80-100 °C.

In the original container under the recommended storage conditions: 24 months

Recommended storage temperature: max. 40°C

### Ordering information

Custom Tariff Number 38112100

#### SAP code and packaging:

13301004 KOMAD 311 180KG

213 l steel drum (for order only)

#### Order booking:

Please contact your local distributor or sales partner for ordering details.