



# FOR10 Product Datasheet

## General Information

**FOR10** is Distilled Tall Oil (DTO) product with a special combination of fatty and rosin acids.  
**FOR10** is an excellent raw material in various applications for example it can be used in metal working fluids, oil field chemicals, soaps, cleaners and alkyd resins.

## Specification of FOR10

Analysis	Value	Method
Colour Gardner, photometer	max. 6,5	ASTM D 6166-97
Free rosin acids, %	9 - 11	SCAN-T 14:78

## Typical analyses of FOR10

Analysis	Value	Method
Acid value	194	SCAN-T 11:72
Cloud point, °C	2	ASTM D 2500-99
Colour Gardner, photometer	4.5	ASTM D 6166-97
Density at 20 °C, kg/m <sup>3</sup>	920	SCAN-T 2:65
Flash point, closed cup, °C	200	ASTM D 93-00
Free fatty acids, %	87	ASTM D 5974-00
Free rosin acids, %	10	SCAN-T 14:78
Pour point, °C	-7	SCAN-T 5:67
Refractive index at 20 °C	1,478	SCAN-T 1:65
Saponification value	196	SCAN-T 12:72
Unsaponifiables, %	3	SCAN-T 13:74
Viscosity at 20 °C, mPas	50	ASTM D 2196-99

## Product handling

**FOR10** should be delivered at around 50 °C and the recommended minimum storage temperature is 40 °C. If **FOR10** is subjected to cold temperatures during storage or transportation it may become cloudy or show some precipitation or crystallization. This is a normal characteristic and not a defect. If affected, the material should be gently heated to around 75 °C and circulated or agitated to restore the clear and bright condition.

## Delivery form

Preferably bulk liquid in road tanker, rail tank wagon, ISO-container. Delivery in flexitank, steel drums and IBCs is possible subject to product handling considerations above.

**EINECS number** 232-304-6  
**CAS number** 8002-26-4  
**CN-code** 38030090

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In all applications of **FOR10** it is the sole responsibility of the buyer to respect and comply with any valid intellectual property rights of third parties.