

# Product Datasheet

## FOR20

**FOR20** is a Distilled Tall Oil (DTO) product with a special combination of fatty and rosin acids. **FOR20** 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 FOR20

Analysis	Value	Method
Colour (Gardner)	max. 6.5	ASTM D 6166
Free rosin acids, %	max. 19 – 21	SCAN-T 14

### Typical analyses of FOR20

Analysis	Value	Method
Acid value, mg(KOH)/1g	190	SCAN-T 11
Cloud point, °C	5	ASTM D 2500
Colour (Gardner)	4.5	ASTM D 6166
Density at 20 °C, kg/m <sup>3</sup>	930	SCAN-T 2
Flash point (closed cup), °C	200	ASTM D 93
Free fatty acids, %	76	Internal method
Free rosin acids, %	20	SCAN-T 14
Pour point, °C	-5	SCAN-T 5
Refractive index at 20 °C	1.484	SCAN-T 1
Saponification number	194	SCAN-T 12
Unsaponifiables, %	3	SCAN-T 13
Viscosity at 20 °C, mPas	70	ASTM D 2196

### Product handling

**FOR20** should be delivered at around 50 °C, and the recommended minimum storage temperature is 40 °C. If **FOR20** is subjected to low 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 gently be heated to around 75 °C and circulated or agitated to restore the clear and bright condition.

### Delivery form

Liquid in ISO tank container, road tanker, flexitank or IBC container.

### Product identifier

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



#### PDS FOR20 003 March 2023

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