



## FOR20/25X Product Datasheet

### General Information

**FOR20/25X** is special Distilled Tall Oil (DTO) product with a special combination of fatty and rosin acids. **FOR20/25X** 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. **FOR20/25X** is specially designed for better low temperature properties and it is carefully distilled from specially selected Tall Oils.

### Specification of FOR20/25X

| Analysis                   | Value    | Method         |
|----------------------------|----------|----------------|
| Colour Gardner, photometer | max. 6,5 | ASTM D 6166-97 |
| Free rosin acids, %        | 20 – 25  | SCAN-T 14:78   |

### Typical analyses of FOR20/25X

| Analysis                            | Value | Method         |
|-------------------------------------|-------|----------------|
| Acid value                          | 192   | 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> | 930   | SCAN-T 2:65    |
| Flash point, closed cup, °C         | 200   | ASTM D 93-00   |
| Free fatty acids, %                 | 75    | ASTM D 5974-00 |
| Free rosin acids, %                 | 22    | SCAN-T 14:78   |
| Pour point, °C                      | -5    | SCAN-T 5:67    |
| Refractive index at 20 °C           | 1,485 | SCAN-T 1:65    |
| Saponification value                | 194   | SCAN-T 12:72   |
| Unsaponifiables, %                  | 3     | SCAN-T 13:74   |
| Viscosity at 20 °C, mPas            | 80    | ASTM D 2196-99 |

### Product handling

**FOR20/25X** should be delivered at around 50 °C and the recommended minimum storage temperature is 40 °C. If **FOR20/25X** 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 **FOR20/25X** it is the sole responsibility of the buyer to respect and comply with any valid intellectual property rights of third parties.