

Product Data Sheet

TOFA (Tall Oil Fatty Acid)

Description

Description	TOFA (Tall Oil Fatty Acid) is a distilled fatty acid mixture obtained as a by-product of the kraft (sulfate) pulping process, consisting primarily of oleic and linoleic acids with low residual rosin acid content. It is a widely used oleochemical feedstock across alkyd resins, coatings, soaps, lubricants and corrosion-inhibitor manufacturing.
Applications	Alkyd resins for paints and coatings Soap and metallic soap (driers) manufacturing Lubricants and corrosion inhibitor formulations Flotation agents (mining) and fatty acid ester synthesis
Grade	Distilled Grade, Low Rosin Content
CAS No.	61790-12-3

Key Benefits

1. High combined oleic/linoleic content suited to alkyd resin and coatings applications
2. Low rosin acid content (distilled grade) for consistent resin performance
3. Cost-effective, bio-based alternative to vegetable-oil-derived fatty acids
4. Good compatibility across resin, soap and lubricant formulation systems
5. Established, actively traded commodity with global pricing benchmarks

Chemical Analysis & Physical Data

Typical Specification

Parameter	Unit	Specification
Acid Value	mg KOH/g	185 - 195

Parameter	Unit	Specification
Iodine Value	g I2/100g	125 – 140
Saponification Value	mg KOH/g	190 – 200
Rosin Acid Content	wt%	Max. 3.0 – 5.0 (distilled grade)
Unsaponifiable Matter	wt%	Max. 2.0
Colour (Gardner)	–	4 – 8
Appearance	–	Amber to dark brown liquid

Packaging

Packaging 200 kg (Net) Steel Drums
Flexitank / ISO Tank for bulk liquid shipment
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, covered area away from direct sunlight
2. Keep containers/tanks closed to minimise oxidation, colour darkening and odour development
3. Avoid prolonged storage at elevated temperatures
4. Product may thicken at low temperatures – warm gently before pumping/transfer if required
5. Use appropriate PPE (gloves, goggles) when handling

Quality Assurance

1. Every batch is tested against the specification above before dispatch

2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting acid value, iodine value and rosin content against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.