



**Industrial
Oleochemical
Products**

PRODUCT DATA SHEET

317 Chamberlain Road, Jacobs, South Africa, 4026
Tel: +27 (0) 31 461 8680 Fax : +27 (0) 31 461 3743
Website: www.oleo.co.za Email: info@oleo.co.za

OleoProp 820

Disproportionated tall oil fatty acids

OleoProp 820 is a stabilized, disproportionated tall oil fatty acid of nominally 4 percent rosin content, used as an emulsifier in the emulsion polymerization process for the manufacture of styrene-butadiene rubber. OleoProp 820 has much lesser stearic acid content which makes it an ideal replacement for partially hydrogenated tallow fatty acid.

Physical Properties

Property	Description
Appearance @25 °C	Clear yellow liquid
Acid value (mgKOH/g)	176 - 182
Fatty acid content, (%)	85 - 92
Unsaponifiables, (%)	10.0 Max.
Linoleic acid content, (%)	1.50 Max.

Useful Product Information

CAS Number	68152-92-1
EC Number	268-858-0
HS Code	-
Flash Point , (°C)	205
Cloud Point, (°C)	Approx. 18
Specific gravity, 25/25°C	Approx. 0.94
Solubility	Insoluble in water. Soluble in most organic solvents

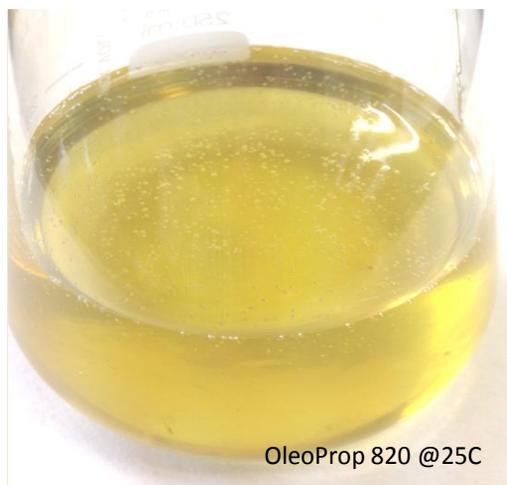
Applications

SBR polymerization emulsifier	Lubricants
Intermediate for oxidative stable fatty esters	High oleic type applications

Personal Protective Equipment



Always handle OleoProp product in accordance with the safety data sheet (SDS) and proper safety procedures.



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Feature & Benefits

Synthetic rubber manufacturers using emulsion polymerization to produce styrene-butadiene rubber (SBR) optionally choose a twin-pack emulsifier system comprising:

- i) partially hydrogenated tallow fatty acids
- ii) disproportionated rosin

A disproportionated fatty acid with high levels of oleic type acids and very low levels of linoleic acids can substitute for partially hydrogenated tallow fatty acid. OleoProp 820 provides more emulsification capability at very low levels of stearic acid content.

Product Packaging

Pallet: 186kgs x 4 and plastic shrink wrapped
Bulk loads ~ 23000 tons - ~32000 tons per load

Other SBR Polymerization Emulsifiers

OleoProp SA40-L, OleoProp DR50KS, OleoProp 900



Industrial Oleochemical Products, Jacobs, South Africa

Handling:	Ensure the use of personal protective equipment (see SDS Section 8) Handle and open container with care. Keep away from heat and sources of ignition. The material is combustible but not classified as flammable. Wash thoroughly after handling. Do not eat and drink or smoke while handling this material.
Storage:	Store in original containers and keep containers tightly closed until ready for use. Store in a cool, dry, well-ventilated place. Note that storage under cool conditions may cause separation of saturated fatty acids components which may cause an increase in viscosity and render the product opaque
Incompatible materials:	Tall oil in contact with un-lined mild steel containers or pipes can result in slow corrosion, depending upon the length of exposure, Darkening of the material may also occur.

Disclaimer

The data contained herein is believed to be accurate. However, neither the above named supplier nor of its partners or distributors assumes any legal liability whatsoever for the accuracy or completeness of information contained herein. Users should undertake sufficient verification and testing to determine the suitability for their own purpose of any product or information contained herein.