



**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

Gum Rosin WW/WG

WW/WG-grade gum rosin is a light amber-coloured gum rosin which is derived from the pine tree species *pinus elliotii*. This source is noted for its inherent ability to provide gum rosin which exhibits considerable resistance to crystallization in most applications.

Physical Properties

Property	Description
Appearance @25 °C	Clear light amber (<=20mm) nuggets
Solids	Approx. 100%
Acid value (mgKOH/g)	162 - 170
Softening Point , (°C)	75 - 85
Colour, (Gardner)	5 - 8

Applications

As softener, softening the rubbers	Used for thermoplastic coatings, such as road marking
Used as a binder component of adhesives, includes rubber based, synthetic resin based and plant based adhesives	Used for paper sizing, improving the strength and smoothness, increasing wear resistance
Used as vehicle body and enhancing the adhesion in ink industry	Used for food
Rosin derivatives such as esters, oxidized, polymerized, metal resins, etc	Other specialty applications

Useful Product Information

CAS Number	8050-31-5
EC Number	232-482-5
HS Code	3806.10
Flash Point , (°C)	>188
Specific gravity, 25/25°C	Approx. 1.05
Solubility	Insoluble in water. Soluble in many organic solvents.
Compatibility	Compatible with most commonly used EVAs, paraffin and waxes, natural rubber, and polymers



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Feature & Benefits

100% Bio-based	Good adhesion to a variety of substrates
Improved flexibility in formulating	Excellent tackifying properties
Pleasant terpene odour	Undergoes reactions on the carboxylic group
Broad compatibility	Undergoes reactions on the double bond structures
Easy handling in bags	Can easily solubilised in alkalis



Product Packaging

Pallet: 25kgs x 40 and plastic shrink wrapped

Gum Rosin Substitutes

OleoPine PHT, OleoPine GRS80, OleoPine P

Personal Protective Equipment



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

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.
 For molten rosin (75°C) wear protective apron, footwear, spats, face mask and thermally protective gloves
 For rosin ester dust, wear a protective mask and gloves
 Note that handling of rosin in solid form may constitute a dust hazard (see SDS: Section 5)

Storage:

Store in original packaging and keep containers tightly closed until ready for use. Store in a cool, dry, well-ventilated place.

Incompatible materials:

Rosin in contact with un-lined mild steel containers or pipes can result in darkening of the material

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.