PRODUCT INFORMATION

WARADUR® OZN

Product Description

WARADUR® OZN is a hard ester wax consisting of esters of montanic acids with multihydroxyl alcohols. Montanic acids are straight-chained monocarboxylic acids with a chain length in the range of C28 – C32. The corresponding esters exhibit chain length in the range of ≤ C66. WARADUR® OZN is partially saponified.

General Advantages

WARADUR® OZN is characterised by its high gloss and its high retention capacity for organic solvents such as white mineral spirits. WARADUR® OZN can bind up to twenty times their own weight of these solvents to form pastes with a fairly stiff texture which do not become liquid.

Examples of Use

- WARADUR® OZN can be used to manufacture high-quality solvent-based wax polishes for floors, shoes, furniture, etc. The pastes prepared from WARADUR® OZN are colloidal and therefore transparent. Combinations of WARADUR® OZN with WARADUR® E form pastes with a creamier texture.
- For more information about VOELPKER waxes for shoe polish formulations consult the technical leaflet: “Montan waxes and special wax blends for shoe polish: Guide to suggested formulations”.

Delivery Specifications *

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	10 – 15	ISO 2114
Drop point *	°C	97 – 105	ASTM 3954
Saponification value	mg KOH/g	approx. 110 – 140	ISO 3681
Colour	–	light yellowish	AA 3.2.1.505
Viscosity @ 120 °C	mPas	150 – 300	AA 3.2.1.520
Density	g/cm³	1.00 – 1.02	Ph. Eur. 2.2.5

Packaging and Handling

Physical form	Flakes, also available as powder
Packaging	Paper bag or Big Bag
Storage	Store at ambient temperature on a dry place. Protect from heat/overheating and direct sunlight. The maximum shelf life is 5 years after production. Thereafter, tests of the chemical characteristics are recommended. After delivery, a minimum remaining shelf life at the customer of 1.5 years is warranted.

Safety

WARADUR® OZN
- is made from a fossil biological source
- in a test for ready biodegradability showed 22 % biodegradability, which can be considered as indication for inherent primary biodegradability, according to OECD (2006)
- is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings

Delivery Time and Availability

Standard delivery time: 2 – 3 weeks. Preconditions can be met for achieving shorter delivery times on standard products when demanded by the market.

Legislation

Food contact legislation:
- Product for technical applications

Other legislation:
- REACh, RoHS and CONEG compliant
- Listed in all relevant national inventories

For further information, please contact application@voelpker.com.

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