PRODUCT INFORMATION

# WARADUR® B

## Product Description

WARADUR® B mainly consists of straight-chained monocarboxylic acids with a chain length in the range of mainly C28 – C32. INCI: Montan Acid Wax.

## General Advantages

High polarity, high hardness, easy to saponify, easy to emulsify (pressureless vessel). Due to its high acid value, WARADUR® B can easily be saponified and is therefore ideally suited for the production of stable emulsions; best gloss properties due to the high proportion of native wax esters; wax coatings are very resistant and polishable several times.

## Examples of Use

- Polishes
- Anionic, water-based emulsions (liquid/creamy/pasty): car polish, shoe polish.

## Delivery Specifications *

| Characteristics | Unit | Target value | Method |
|---|---|---|---|
| Acid value * | mg KOH/g | 90 – 120 | ISO 2114 |
| Drop point * | °C | 82 – 88 | ASTM 3954 |
| Saponification value | mg KOH/g | approx. 135 – 155 | ISO 3681 |
| Colour | – | pale yellow – yellow | AA 3.2.1.505 |
| Viscosity @ 120 °C | mPas | 10 – 15 | AA 3.2.1.520 |
| Density | g/cm³ | 1.00 – 1.02 | Ph. Eur. 2.2.5 |

## Packaging and Handling

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

## Safety

WARADUR® B
- is made from a fossil biological source
- is not classified as carcinogenic, mutagenic or reprotoxic; no health or environmental hazards are known, provided it is applied in industrial and professional settings

For more information, consult SDS.

## 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:
- Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food

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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