

**PRODUCT INFORMATION**

# WARADUR® S

## Product Description

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

## General Advantages

Thanks to its high acid number, WARADUR® S can easily be saponified and is therefore ideal for the production of stable wax emulsions of many different kinds.

## Examples of Use

WARADUR® S is, for example, suitable for the formulation of the following cosmetic products:

- Sticks for decorative cosmetics/deo sticks
- Body butter
- Hair wax

## Delivery Specifications \*

Characteristics	Unit	Target value	Method
Acid value *	mg KOH/g	135 – 160	ISO 2114
Saponification value *	mg KOH/g	155 – 180	ISO 3681
Drop point *	°C	82 – 88	ASTM 3954
Colour	–	pale yellow	AA 3.2.1.505
Viscosity @ 120 °C	mPas	10 – 15	AA 3.2.1.520
Density	g/cm <sup>3</sup>	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 minimum remaining period is 1.5 years and is defined as the minimum shelf life at the customer. Thereafter, tests of the chemical characteristics are recommended. The maximum shelf life of 5 years is indicated.

## Safety

WARADUR® S

- 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:

- FDA 175.105 Adhesives
- FDA 177.2600 Rubber articles intended for repeated use
- FDA 176.210 Defoaming agents used in the manufacture of paper and paperboard
- 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 compliant
- RoHS and CONEG compliant

For further information, please contact [application@voelpker.com](mailto:application@voelpker.com).