

## Quality & Regulatory Product Information

### KahlWax 1540 MB White BW Substitute

Herewith we certify to the best of our knowledge / based on information provided by our previous vendors / based on knowledge of used raw materials and applied production processes.

#### General Product Information

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Trade name</b>                | KahlWax 1540 MB White BW Substitute                                                                     |
| <b>Type of Product</b>           | Beeswax Substitute, white                                                                               |
| <b>INCI (EU) name – Option 1</b> | Cera Microcristallina*, Hydrogenated Vegetable Oil, Cera Alba, Hydrogenated Palm Acid, Stearyl Stearate |
| <b>PCPC name</b>                 | Microcrystalline Wax, Hydrogenated Palm Oil, Beeswax, Hydrogenated Palm Acid, Stearyl Stearate          |
| <b>CAS no.</b>                   | 63231-60-7, 68334-28-1, 8012-89-3, 84238-17-5, 2778-96-3                                                |
| <b>EINECS no.</b>                | 264-038-1, 269-820-6, 232-383-7, 282-486-6, 220-476-5                                                   |

|                                      |                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------|
| <b>INCI (non-EU) name – Option 2</b> | Ozokerite*, Hydrogenated Vegetable Oil, Cera Alba, Hydrogenated Palm Acid, Stearyl Stearate |
| <b>PCPC name</b>                     | Ozokerite, Hydrogenated Palm Oil, Beeswax, Hydrogenated Palm Acid, Stearyl Stearate         |
| <b>CAS no.</b>                       | 64742-332, 68334-28-1, 8012-89-3, 84238-17-5, 2778-96-3                                     |
| <b>EINECS no.</b>                    | 265-134-6, 269-820-6, 232-383-7, 282-486-6, 220-476-5                                       |

\*Both above mentioned INCIs are valid due to the particular chemical composition and physical parameters of KahlWax 1540 White BW Substitute

#### Quality & Registration Status

|                                                                                                          |                                                                                                                      |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Quality level (recommended use)</b>                                                                   | Technical Application, Cosmetic                                                                                      |
| <b>REACH status</b>                                                                                      | Beeswax is exempted (Annex V §9)<br>All other ingredients are registered<br>(INCI Ozokerite is not REACH registered) |
| <b>Monograph (Ph. Eur., USP/NF)</b>                                                                      | Does not apply                                                                                                       |
| <b>Regulation EC/1223/2009 (cosmetic regulation)</b>                                                     | Complies with                                                                                                        |
| <b>EU no. (food additives)</b>                                                                           | Does not apply                                                                                                       |
| <b>FDA status</b>                                                                                        | Does not apply                                                                                                       |
| <b>Food chemical codex</b>                                                                               | Does not apply                                                                                                       |
| <b>Regulation EC/231/2012 (food additives purity criteria)</b>                                           | Does not apply                                                                                                       |
| <b>Regulation EC/258/97 (novel foods, novel food ingredients)</b>                                        | Does not apply, no novel food                                                                                        |
| <b>Regulation EC/10/2011 (on plastic materials and articles intended to come into contact with food)</b> | Does not apply                                                                                                       |
| <b>BfR recommendation</b>                                                                                | Does not apply                                                                                                       |
| <b>Chemical inventory listing</b>                                                                        | EINECS, TSCA, AICS/NICNAS, DSL, IECSC, NECI, ENCS/ISHL/MITI, ECL/KECI, NZIoC, PICCS                                  |
| <b>Colipa recommendation 14 (mineral hydrocarbons in oral and lip care)</b>                              | Does not comply                                                                                                      |
| <b>Kosher</b>                                                                                            | Certified                                                                                                            |
| <b>Halal</b>                                                                                             | Certified                                                                                                            |
| <b>COSMOS</b>                                                                                            | Does not comply with COSMOS Cosmetic Standard                                                                        |

## KahlWax 1540 MB White BW Substitute

### CITES

Not affected by CITES

### Raw Material & Manufacturing Information

|                                                                       |                                                                                                                                                                                                      |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Raw material origin</b><br>(vegetable, animal, mineral, synthetic) | Vegetable (Hydrogenated Palm Oil, Hydrogenated Palm Acid, Stearyl Stearate), animal (Beeswax), mineral (Cera Microcristallina/ Ozokerite)                                                            |
| <b>Parts used</b>                                                     | Vegetable ingredients: fruits / seeds of the oil palm<br>Beeswax is an excretion product of honeybees (animal unharmed)                                                                              |
| <b>Palm oil status</b>                                                | KahlWax 1540 MB White BW Substitute contains palm oil-based ingredients. It is of certified RSPO Mass Balance quality.                                                                               |
| <b>Suitable for vegetarians</b>                                       | Yes                                                                                                                                                                                                  |
| <b>Suitable for vegans</b>                                            | No                                                                                                                                                                                                   |
| <b>Country of origin</b>                                              | Germany                                                                                                                                                                                              |
| <b>Nanomaterial</b>                                                   | KahlWax 1540 MB White BW Substitute is not a / does not contain nanomaterial/s as defined under Cosmetic Regulation EC/1223/2009                                                                     |
| <b>Preservatives, antioxidants, other additives</b>                   | Antioxidant: BHT max. 10 ppm [CAS-No.: 128-37-0; EINECS: 204-881-4; E321]                                                                                                                            |
| <b>GMO</b><br>(Reg. EC/1829/2003 and EC/1830/2003)                    | Has not been subject of genetic manipulation and has not been in contact with GMO material                                                                                                           |
| <b>Microbiological safety</b>                                         | During processing the product is heated up to 90 °C for longer than 60 min. Any microorganism should be deactivated. Since the product is free from water any growth of microorganism is improbable. |
| <b>Irradiation (Dir. EC/1999/2 &amp; amendments)</b>                  | Has never been treated with ionizing radiation                                                                                                                                                       |

### Storage & Handling

|                                    |                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Shelf life / Re-test period</b> | 36 months (if appropriate storage conditions are maintained)                                                                  |
| <b>Storing Conditions</b>          | dry, T <sub>max</sub> 30 °C, closed container, far from heaters, no direct sun light, not sensitive against deep temperatures |

### Packaging

|                          |                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Packaging type</b>    | 20 kg HDPE / PP bags, 20 kg boxes                                                                                                                                            |
| <b>Regulatory status</b> | Packaging meets EC and national legal requirements for use with foodstuffs, cosmetic agents, (Food and Feed Law Book [LFGB] issued by the Federal Office of Health, Germany) |

### By-products & Impurities

|                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Allergens</b><br>Fragrance allergens: Annex III, No. 67-92 of Regulation EC/1223/2009;<br>Food allergens: Annex II of regulation EC/1169/2011<br><b>other allergens</b> | Not tested, but due to origin not to expect                                                                                                                                                                                                                                                      |
| <b>SVHC</b>                                                                                                                                                                | Latex is due to origin and production process not expected in this product<br>This product does not contain any substances included in current ECHA "Candidate List of Substances of Very High Concern" (SVHC) and/or current Annex XIV of REACH (the "Authorisation List") in amount of ≥ 0.1%. |
| <b>Pesticides</b>                                                                                                                                                          | Due to origin and production process not to expect                                                                                                                                                                                                                                               |
| <b>Heavy metals</b>                                                                                                                                                        | <10 ppm                                                                                                                                                                                                                                                                                          |
| <b>Metal catalysts</b>                                                                                                                                                     | Nickel/ Molybdenum/ Platinum: < 1ppm                                                                                                                                                                                                                                                             |
| <b>Phthalates</b>                                                                                                                                                          | Phthalates are not added to the product during the manufacturing process. The formation of phthalates is not expected during the process. Therefore this substance class is not analytically monitored.                                                                                          |
| <b>Glycol ethers</b>                                                                                                                                                       | Glycol ethers are not added to the product during the manufacturing process. The formation of glycol ether is not expected during the process. Therefore this substance class is not analytically monitored.                                                                                     |

## KahlWax 1540 MB White BW Substitute

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|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dioxin, 3-MCPD, DMF (dimethyl formamide)</b>                           | A contamination with 1,4-Dioxane is not expected, as the manufacturing process does not include an ethoxylation step. Therefore 1,4-Dioxane is not monitored analytically.                                                                                                       |
| <b>Formaldehyde / Formaldehyde releaser</b>                               | Formaldehyde and formaldehyde releaser are not added to the product during the manufacturing process. The formation of formaldehyde and formaldehyde releasers is not expected during the process. Therefore this substance class is not analytically monitored.                 |
| <b>Halogen organic compounds (AOX, EOX)</b>                               | Adsorbable organic halogens (AOX) are ubiquitous in surface water, groundwater, sea water, soil and precipitation but not expected in this product. Therefore it is not analytically monitored.                                                                                  |
| <b>California proposition 65</b>                                          | Does not contain any contaminants or by-products known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act above restricted levels. The substances are not analytically monitored. |
| <b>Residual solvents</b>                                                  | Residual solvents are not expected in KahlWax 1540 MB White BW Substitute.                                                                                                                                                                                                       |
| <b>VOC</b>                                                                | Due to origin and production process VOC classified compounds are not expected. Therefore this substance class is not analytically monitored.                                                                                                                                    |
| <b>Other impurities (especially mycotoxins, aflatoxins, Nitrosamines)</b> | Due to origin and production process not to expect                                                                                                                                                                                                                               |
| <b>BSE / TSE</b>                                                          | Free of BSE / TSE                                                                                                                                                                                                                                                                |

## Safety & Environment

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toxicological data</b>         | According to Cosmetic Ingredient Review:<br>Microcrystalline Wax*: safe as used up to a concentration of 50%<br>Ozokerite*: safe as used up to a concentration of 22%<br>Hydrogenated Vegetable Oil: safe as used to a concentration of 60%<br>Hydrogenated Palm Oil : safe up to 30%<br>Beeswax: safe as used to a concentration of 56%<br>Hydrogenated Palm Acid according to read-across of Hydrogenated Coconut Acid: safe as used to a concentration of 6 – 10%<br>Stearyl Stearate: safe as used to a concentration of 4% |
| <b>Biologically degradability</b> | No data available, insoluble in water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Animal testing</b>             | Never tested on animals by /or on behalf of Kahl GmbH & Co. KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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In general:

All our products are traceable by our batch number. Batch records list all raw materials used in the manufacture of our waxes. We hereby confirm that the above raw materials have not been the subject of animal testing or retesting for cosmetic purposes by or on behalf of our company since 1990.

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26 January 2022

Every care has been taken to compile the above information accurately. To the best of our knowledge, it strictly complies with our best results. Since the analysis is intended to describe the product and the application of this information is beyond our control, we disclaim any liability incurred in connection with its application and use. The information contained herein does not imply any legally binding statement concerning the use or description of this product. We further disclaim any liability for changes that might occur due to ageing of the product or damage during transport and storage, and we recommend that the consumer always test the product prior to using it to establish its suitability for the intended application. All facts given in this document apply only to the pertinent KahlWax product. Any transfer to similar generic market products is illegal. All market participants must know the specifics of manufacturing processes and potential contaminants and must ensure the safety of their product on their own.