



## PRODUCT DATA SHEET

**Product:** Permulin 3284

**Product number(s):** E00151

**Description:** Permulin 3284 is a wax blend of the Ozokerite type. It fully complies to the Colipa Recommendation No. 14 (oral & lip care). Permulin 3234 is a mineral wax consisting of paraffinic, isoparaffinic and naphthenic hydrocarbons with carbon chain lengths between ca. C25 and C80. Permulin 3284 combines the advantages of paraffin waxes and microcrystalline waxes. In combination with mineral and natural oils it produces a strong gel network with high capacity resulting in excellent oil-binding capabilities. In stick formulations Permulin 3284 functions as a oil gellant and improves texture, break resistance and temperature stability. Permulin 3284 decreases oil bleeding of lipsticks and other stick products.

**Applications:** Emulsions, salves, sticks, hair care, deodorants, pharma

Specifications / typical values:		
Appearance	Pastilles / Granulate	
Melting point (°C)	-	USP 741 Class II
Congearing point (°C)	75 - 85	ASTM D 938
Drop melting point (°C)	85 - 95	ASTM D 3954
Acid value (mg KOH/g)	< 0,1	Eur. Ph. (beeswax)
Ester value (mg KOH/g)	-	Eur. Ph. (beeswax)
Saponification value (mg KOH/g)	< 4,0	Eur. Ph. (beeswax)
Ratio	-	Eur. Ph. (beeswax)
Iodine value (mg I2/100ml)	-	USP 401
UV adsorption (nm)	-	
Odour	Typical	
Colour	white to off white	Visual
Ceresin, Paraffins and certain other waxes	-	Eur. Ph. (beeswax)
Fats, Japan wax, rosin and soaps	-	
Glycerol and other polyols	-	Eur. Ph. (beeswax)
Food additives	-	
Penetration (dmm @ 25°C)	< 15	ASTM D 1321
Total Ash (ppm)	-	
Heavy metals (ppm)	-	USP 231
Peroxide value (mequ/kg)	-	
Hydroxyl number (mg KOH/g)	-	
Remarks	Colipa Recommendation No. 14 (oral & lip care): viscosity @ 100°C > 11cSt; % C25 and lower < 5%; Average Mol Wt. > 500g/mol.	
GMO	Free of genetically modified organisms (GMO) and complies with EC regulations No 1829/2003 and 1830/2003.	
BSE/TSE	BSE/TSE free	
Animal testing	Not animal tested	
Fragrance allergens	Not present	
Food allergens, including Gluten	Free	
<b>REGULATORY</b>		
Reach:	No Reach registration number is available for this substance according to regulation (EC) art. 2, No 1907/2006	

**CTFA/INCI-Name** Ozokerite

**EU-Name** Ozokerite

**Shelf-life** 2 years after production date

This document is issued by electronic data processing. According to DIN EN 10204 a signature is not necessary.