

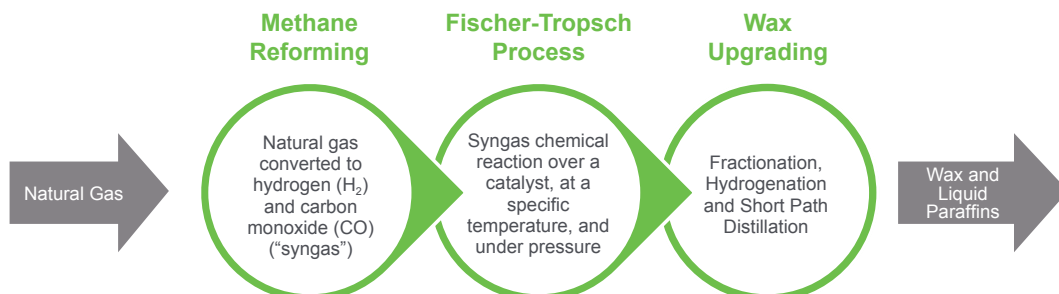


**JUNIPERBERRY COSMETICS
WAXES FOR PERSONAL CARE**



Synthetic Waxes

Juniperberry Cosmetics synthetic waxes consist of linear alkane molecules which are manufactured using Fischer-Tropsch (FT) synthesis from natural gas. This is a catalytically promoted process that generates clean waste water and waxes which are sulphur free and contain no aromatics or polycyclic aromatic hydrocarbons.



Product Benefits

- 💧 Non-greasy
- 💧 Odourless
- 💧 Leave formulations with a silky finish and smooth feel
- 💧 Non-irritant
- 💧 High and purest quality
- 💧 Stable over a wide pH range
- 💧 Alternatives to natural and paraffin waxes
- 💧 Pure white in colour
- 💧 Stable with a long shelf life
- 💧 Help disperse colours evenly

Product Range

Trade Name	INCI Name	CAS No	EINECS No	Description/ Consistency	Recommended Usage Levels
JBC W100	Synthetic Wax	8002-74-2	232-315-6	Hard synthetic wax	3 - 5 %
JBC W200				Medium to hard synthetic wax	10 - 15 %
JBC W300				Medium to hard synthetic wax	5 - 10 %
JBC W400				Soft to medium synthetic wax	3 - 5 %
JBC W500				Soft synthetic wax	3 - 5 %

Applications

Product	Emulsions	Stick	Colour	Hair	Lubrication
	Butters, creams, lotions, ointments	Deodorant, antiperspirant, sunscreen	Lipstick, eye liner, lip liner, foundation sticks, blushers	Pomade, conditioners, treatments	All applications
JBC W100	●	●●●●	●●●●	●●	●●
JBC W200	●	●●●●	●●●●	●●	●●
JBC W300	●●●●	●●	●●	●●●●	●●●●
JBC W400	●●●●	●●	●●	●●	●●●●
JBC W500	●●●●	●●	●	●●●●	●●●●

Colour Stability

Fischer-Tropsch waxes demonstrate excellent UV stability when compared to other waxes. When subjected to an accelerated UV stability test, no colour changes were detected.



FT Wax before



FT Wax after

Laboratory Testing & Method:

ISO 105-B02 Colourfastness to artificial light: Xenon arc fading lamp test.

Laboratory Testing & Method:

UV Exposure: Q-Sun: 11-1171-41-X3HC, ISO 105-B02, Cycle A1: 1.10 w/m² at 420 nm, IR filters, black panel temperature 45 ±3°C, effective humidity 40%, chamber air temperature 39 ±3°C. Samples exposed with Blue Wool Standards (BWS) until BWS = Grey Scale 4 (~70 hours, 277 kJ/m²).



Chemical and Physical Properties

			JBC W100	JBC W200	JBC W300	JBC W400	JBC W500
Analysis	Unit	Method	Specification				
Appearance	-	Visual	White	White	White	White	White/off white
Saybolt Colour	-	ASTM D156	min 25	min 25	min 25	min 25	min 25
Melt Point	°C	Mettler MP80	80 - 85	72 - 76	61 - 67	53 - 57	40 - 43
Drop Melt Point	°C	Meattler DP70	81 - 86	74 - 78	63 - 68	54 - 58	41 - 45
Congealing Point	°C	ASTMD938	74 - 79	68 - 72	60 - 65	53 - 56	38 - 41
Oil Content	%	ASTM D721	max 1.00	max 0.50	max 4.00	max 2.50	max 3.00
Viscosity @100 °C	cSt	ASTM D445	typical 9	typical 6	typical 4	typical 3.5	typical 2
Mass % Paraffin	%	GC	min 99	min 99	min 99	min 95	min 95

Regulatory Information

Juniperberry Cosmetics waxes are:

- 💧 REACH Registered (Reg No.: 01-2119488076-30-0127)
- 💧 Not listed as a substance in Annex II or III of the Cosmetic Regulation (EC) 1223/2009
- 💧 Not listed in The Candidate List of Substances of Very High Concern (SVHC)
- 💧 Not listed as a CMR substance in Annex VI of the CLP Regulation

Material Safety Data Sheets and product safety information can be requested by visiting us at www.juniperberrycosmetics.com.

For More Information

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