

**Full list of ingredients in non-tobacco components used in Philip Morris International heated tobacco products manufactured for sale in Europe**

**HeatStick paper and wrappers**

CAS <sup>1</sup>	Ingredient <sup>2</sup>	MUL <sup>3</sup>
various	cellulose	12.3
various	calcium carbonate	3.5
-	aluminium foil	0.8
25212-19-5	epichlorhydrin resin	0.3
68915-31-1	sodium hexametaphosphate	0.3
24937-78-8	ethylene-vinyl acetate copolymer	0.2
1332-58-7	kaolin	0.2
65996-62-5	starch and/or modified starches	0.2
84989-41-3	alkylketene dimer	0.05
9004-32-4	carboxymethylcellulose and its sodium salt	0.05
9000-30-0	guar gum	0.05
various	rosin	0.05
-	processing aids (Defoamer, Water, Finishing oil, Preservative)	

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**Adhesives**

CAS <sup>1</sup>	Ingredient <sup>2</sup>	MUL <sup>3</sup>
24937-78-8	ethylene-vinyl acetate copolymer	1
9003-20-7	polyvinyl acetate	0.9
68132-00-3	hydrocarbon resin	0.1
various	paraffin	0.1
25213-24-5	polyvinol	0.05
102-76-1	triacetin	0.05
9005-25-8	starch	0.01
57-55-6	propylene glycol	0.005
-	processing aids (Antioxidant, Defoamer, Water, Finishing oil)	

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**Tipping Papers and Tipping paper Inks**

CAS <sup>1</sup>	Ingredient <sup>2</sup>	MUL <sup>3</sup>
various	cellulose	1.8
various	calcium carbonate	0.8
12040-43-6	aluminium silicate, magnesium sodium salt	0.4
1332-58-7	kaolin	0.4
9004-70-0	collodion	0.1
7429-90-5	pigment silver	0.1
various	starch and/or modified starches	0.1
77-90-7	acetyl tributyl citrate	0.05
21645-51-2	aluminium hydroxide	0.05
1440528-04-0	copolymer perfluorooctyl methacrylate and dimethyl aminoethyl methacrylate	0.05
68921-42-6	pigment brilliant blue FCF	0.05
various	pigment iron oxide black	0.05
1309-37-1	pigment iron oxide red	0.05
various	pigment iron oxide yellow	0.05
100208-62-6	pigment quinoline yellow	0.05

5281-04-9	pigment red lithol BK	0.05
15790-07-5	pigment sunset yellow FCF	0.05
12225-21-7	pigment tartrazine	0.05
various	rosin	0.05
14807-96-6	talc	0.05
84989-41-3	alkylketene dimer	0.01
25212-19-5	epichlorhydrin resin	0.005
12227-78-0	pigment erythrosin	0.005
102-76-1	triacetin	0.005
16521-38-3	pigment indigotine	0.0001
112926-00-8	silica	0.0001
-	processing aids (Defoamer,Preservative)	

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**Filtration Material**

CAS <sup>1</sup>	Ingredient <sup>2</sup>	MUL <sup>3</sup>
9051-89-2	polylactic acid	30.1
9004-35-7	cellulose acetate	16.3
102-76-1	triacetin	2.5
various	triglyceride oils	1.7
2216-51-5	menthol	0.7
various	modified starches and polysaccharides	0.5
various	calcium carbonate	0.4
9000-70-8	gelatin	0.2
various	natural and/or artificial flavourings	0.2
various	capsule wrap or polymer	0.2
56-81-5	glycerol	0.05
50-70-4	sorbitol	0.05
77-93-0	triethyl citrate	0.05
68-04-2	sodium citrate	0.01
various	pigments	0.005
-	processing aids (Antioxidant, Defoamer, Water, Finishing oil, Preservative)	

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## Footnotes

- 1 CAS Chemical Abstract Service Registry Number. This number is provided where available to identify the ingredient.
- 2 Ingredient International Union for Pure and Applied Chemistry (IUPAC) name or common chemical name of the ingredient, listed in decreasing order of MUL.
- 3 MUL Maximum Use Level. The maximum quantity at which the ingredient is used in any Philip Morris International brand in this country, expressed as a percentage of the product weight.
- Processing Aid Facilitates the manufacturing of the tobacco product or its components and are either not present or occur in residual amount and have no function in the final product.