

## Formulation restrictions - Black List

### List and groups of substances banned by TPD

- Vitamins or other additives with beneficial effects or with reduced health risks ( Vitamins C, fatty acids Omega-3)
- Caffeine, taurine or other additives (theine or guaranà) e stimulants substances associated with greater energy and vitality
- Additives that have emissions coloring properties
- Additives with carcinogenic, mutagenic and reproductive toxic (CMR) properties
- Except for nicotine, the ingredients used in the e-liquids should not contain risks to human health in heated and unheated forms

The countries Germany, United Kingdom, Hungary and Netherlands, in addition to TPD prohibitions, published a list country-specific of prohibited substances and groups of substances.

Below the updated list.

### National Restriction

#### Germany

| <b>1. Vitamins or other ingredients which give the impression that its use in an electronic cigarette or a refill container has health benefits or has lower health risks</b> |            |
|---|------------|
| <b>INGREDIENTS</b>  | <b>CAS</b> |
| S-Adenosylmethionin   | 485-80-3   |
| L-5-Hydroxytryptophan   | 56-69-9    |
| L-Carnitina   | 541-15-1   |
| L-Carnitine hydrochlorid  | 6645-46-1  |
| L-Carnitine-L-Tartrate  | 36687-82-8 |
| Flavonoids with antioxidant activity  | -          |
| Phospholipids   | -          |
| Sodium selenite   | 10102-18-8 |
| <b>2. Caffeine, taurine or the following other ingredients and stimulant mixtures associated with energy and vitality</b>   |            |
| <b>INGREDIENTS</b>  | <b>CAS</b> |
| Caffeine  | 58-08-2    |



|  |                                |
|--|--------------------------------|
| Taurine  | 107-35-7                       |
| Maltodextrin   | 9050-36-6                      |
| Glucose  | 50-99-7                        |
| Fructose   | 57-48-7                        |
| Galactose  | 59-23-4                        |
| ingredients including processed ingredients, extracts and oils of coffee plant and coffee beans  | -                              |
| Ingredients including processed ingredients, extracts and oils of the tea shrub  | -                              |
| ingredients including processed ingredients, Extracts and oils of the Guarana  | -                              |
| ingredients, including processed ingredients, Extracts and oils of the Yerba mate  | -                              |
| Thujone  | 471-15-8                       |
| <b>3. Additives with emission coloring properties</b>  |                                |
| <b>4. Additives which have CMR properties</b>  |                                |
| <b>INGREDIENTS</b>   | <b>CAS</b>                     |
| Additives with emission coloring properties  | -                              |
| Substances authorized for use in accordance with Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on the classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67 / 548 / EEC and 1999/45 / EC and amending Regulation (EC) no. 1907/2006 (OJ L. 353, 31.12.2008, p 1), most recently by Regulation (EU) 2016/1179 (OJ (1), (2), (2), (3) and (3), respectively | -                              |
| Birch tar oil  | 8001-88-5<br>and<br>85940-29-0 |
| Cade Oil   | 8013-10-03                     |
| Sassafras oil  | -                              |
| Sassafras wood   | -                              |
| Sassafras leaves   | -                              |
| Sassafras cortex (corteccia)   | -                              |
| methyl eugenol   | 93-15-2                        |
| Estragole  | 140-67-0                       |
| Para-Hydroxybenzoic acid propyl ester  | 94-13-3                        |
|  |                                |
|  |                                |



| INGREDIENTS  | CAS       |
|--|-----------|
| 2,3-Butanedione  | 431-03-8  |
| Acetyl Propionyl   | 600-14-6  |
| Acetyl Butyryl   | 3848-24-6 |
| 2,3-heptane dione  | 96-04-8   |
| Coumarin   | 91-64-5   |
| substances obtained from plants: bitter almond oil Processed constituents and extracts of the angel sweetmeat stick Processed ingredients, extracts and oils derived from the plant Poleyminze agaric acid | -         |

## OTHER COUNTRY-SPECIFIC PROHIBITIONS

**FINLAND [FI]:** complete ban of flavors except tobacco flavors.

**ESTONIA [ES]:** starting from 1 July 2019 it's prohibited the sale of flavors products other than tobacco ones.

**DENMARK [DK]:** complete ban of flavors excluding tobacco and menthol.

**LATVIA [LV]:** complete ban of flavors excluding tobacco.

**LITHUANIA [LT]:** complete ban of flavors excluding tobacco.

**SLOVENIA [SI]:** it is in discussion a new law proposal to introduce a complete flavor ban.

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