

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

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	
INGREDIENTS	CAS
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
2. Caffeine, taurine or the following other ingredients and stimulant mixtures associated with energy and vitality	
INGREDIENTS	CAS
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
3. Additives with emission coloring properties	
4. Additives which have CMR properties	
INGREDIENTS	CAS
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 and 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	-

United Kingdom

Substances classified as carcinogenic, mutagenic or reprotoxic (CMR categories 1, 2 and 3).
Substances classified with specific target organ toxicity for the respiratory tract.
Respiratory sensitizers.
Vitamins used as food supplements.
Stimulant additives such as caffeine or taurine.
Diacetyl.
Pentane 2,3 dione.
Diethylene glycol.
Ethylene glycol.
Formaldehyde.
Acetaldehyde.
Metals, including cadmium, chromium, iron, lead, mercury and nickel.
Preservatives liable to release formaldehyde.
Acrolein.



Hungary

Agaricinsav (Agaric, acidum agaricinicum)
Juniper-tar oil (Oleum Juniper empyreumaticum)
Camphor
Bitter almond oil-free or bound hydrocyanic acid content
Coumarin
Oleum empyreumaticum betulae
Safrole
Sassafras oil (Oleum sassafras)
Thujone
Pennyroyal (Herba pulegii)
Polypody root (Rhizoma polypodii, Rhizoma filicis dulcis)
Sweet Bitter nightshade leaves side (Stipites dulcamarae)
Tansy (Herba tanaceti)
Quassia (Lignum quassiae)
Medical clover (Melilotus officinalis)
Herba rutan
Woodruff (Asperula odoratum)
Cortex quillaiae
Sassafras tree and leaf (Lignum, Sassafras herb)
Vanilla Root (Liatris odoratissima)
All flavourings except for tobacco, menthol and fruit flavours [Decree 30/2016. (X.3)] (until the 20th of May 2020)



Netherlands

The Dutch government wants to allow only tobacco-flavored e-cigarettes on the market, with the ultimate goal of banning all those sweet and fruity flavors that are in vogue mainly among the young and very young. Currently, ONLY AND EXCLUSIVELY the following substances are allowed.

INGREDIENTS	CAS
beta-Damascone	35044-68-9
(E)-beta-Damascone	23726-91-2
(Z)-beta-Damascone	23726-92-3
Damascenone	23696-85-7
(E)-beta- Damascenone	23726-93-4
Ketoisophorone	1125-21-9
2-Hydroxy-3,5,5- trimethyl-2- cyclohexenone	4883-60-7
3-Ethylpyridine	536-78-7
3-Acetylpyridine	350-03-8
2,6-Dimethoxyphenol	91-10-1
5-(Hydroxymethyl)- 2-furfural	67-47-0
alpha-Angelica lactone	591-12-8
Isovaleric acid	503-74-2
(-)-Caryophyllene oxide	1139-30-6
Ambroxide	3738-00-9
(3aR)-(+)-Sclareolide	564-20-5



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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