

Nerolidol

Botanical Source

Synonyms

TRIMETHYL-1,6,10-DODECA TRIEN-3-OL (3,7,11-) PERUVIOL
METHYL VINYL HOMOGGERANYL CARBINOL
MELALEUCOL
DODECA TRIENE
TRIMETHYL DODECA-1,6,10-TRIEN-3-OL (3,7,11-)

IUPAC Name

CAS Reference 7212-44-4

E Number

Food Legislation

Council of Europe (CoE)

Number	Comment
67	Listed by the Council of Europe as acceptable for use in food at up to 10 ppm

US Food and Drug Administration

Number	Comment
172.515	Approved by the US FDA. FDA 21 CFR 172.515

Joint FAO/WHO Expert Committee on Food Additives (JECFA)

Number	ADI	Comment
1646	No safety concern@ intake	No safety concern at current levels of intake when used as a flavouring agent.

FEMA

FEMA No.	Comment
2772	-

Natural Occurrence and Use in Food

Found in grapefruit, hops, lime, grapefruit oil, used in non alcoholic beverages, ice cream, ices, candy, baked goods.

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Tobacco Product Related Chemical and Biological Studies for Ingredients Added in a Mixture

Smoke Chemistry		
Published Source	Level Tested %	Comment
BAT	0.00120	At maximum application level this ingredient is not associated with significant increases in levels of Hoffmann analytes in smoke.

Ames Activity		
Published Source	Level Tested %	Comment
BAT	0.00120	Within the sensitivity and specificity of the system the Ames activity of the cigarette smoke condensate was not increased by the addition of the ingredient.

Micronucleus		
Published Source	Level Tested %	Comment
BAT	0.00120	Within the sensitivity of the in vitro micronucleus assay the activity of the cigarette smoke condensate was not increased by the addition of the ingredient.

Neutral Red		
Published Source	Level Tested %	Comment
BAT	0.00120	Within the sensitivity of the test system the in vitro cytotoxicity of the cigarette smoke condensate was not increased by the addition of the ingredient.

Inhalation		
Published Source	Level Tested %	Comment
BAT	0.00120	The results indicate that the addition of the ingredient had no discernible effect on the inhalation toxicity of mainstream smoke.

References
Baker RR, Pereira da Silva JR, Smith G. The effect of tobacco ingredients on smoke chemistry. Part I: Flavourings and additives. Food Chem Toxicol. 2004; 42 Suppl:S3-37.
Baker RR, Pereira da Silva JR, Smith G. The effect of tobacco ingredients on smoke chemistry. Part II: casing ingredients. Food Chem Toxicol. 2004; 42 Suppl:S39-52.
Baker RR, Massey ED, Smith G. An overview of the effects of tobacco ingredients on smoke chemistry and toxicity. Food Chem Toxicol. 2004; 42 Suppl:S53-83.

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Tobacco Product Related Chemical and Biological Studies for Ingredients Tested Singly

References
Baker RR, Bishop LJ. The pyrolysis of tobacco ingredients. J. Anal. Appl. Pyrolysis 2004, 71, 223-311.

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Toxicological Data on the Unburnt Ingredient

Mouse oral LD₅₀ 15000 mg/kg. Toksikologicheskii Vestnik. (1993), **3**, 31.

Rabbit dermal LD₅₀ >5000 mg/kg. Food and Cosmetics Toxicology (1975), **13**, 887.