

Substance Information Document

Carrot oil

1. Substance identity

Name	Carrot oil
Synonyms	Carrot seed oil (Daucus carota L.)
IUPAC Name	N/A*
CAS	8015-88-1

*Non answered, IUPAC Name was not found.

2. Toxicological information

Carotol was the main constituent in three carrot seed essential oils of different origin amounting 19–33% of the sum of compounds. Alpha-Pinene, sabinene, myrcene, limonene, geranyl acetate, bisabolene, caryophyllene oxide and daucol were identified as other main compounds.

The available data for Carrot oil indicate a relative low potential for acute toxicity with oral and dermal LD₅₀ values of > 5000 mg/kg bw in mice and rabbit and guinea pigs, respectively.

No Repeated exposure studies, carcinogenicity nor reproductive toxicity studies are available for Carrot oil.

Based on *in vitro* mutagenicity (Ames test) study results, Carrot oil is not expected to produce mutagenic effects. There are no carcinogenicity studies available with Carrot oil.

Based on a maximization test carried out in humans, Carrot oil does not present a concern for skin sensitization.

JECFA	-
FEMA	CARROT OIL (DAUCUS CAROTA L.) FEMA (femaflavor.org)
EFSA	-
ECHA – REACH dossier	Registration Dossier - ECHA (europa.eu)
PUBCHEM	SID 176259121 - PubChem (nih.gov)
CIR	-
OSHA	-

3. Addictiveness and attractiveness

No substance-specific data found.

SCENIHR	-
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EMA	-
PUBMED	-