

Ge e 3MCPDe
Inquadramento storico
e stato dell'arte
Nuove soglie e situazione
degli oli vegetali

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Assitol: chi siamo



Assitol, **l'Associazione Italiana dell'Industria** Olearia, rappresenta e tutela nelle diverse sedi nazionali, comunitarie e internazionali le imprese industriali che operano nel settore delle materie grasse e dei prodotti derivati

Assitol è formata da 8 Gruppi Merceologici

Aderiamo, a livello nazionale, a Federalimentare e Confindustria e a varie Federazioni Europee



Ge e 3-MCPDe

SCIENTIFIC OPINION



ADOPTED: 3 March 2016

doi: 10.2903/j.efsa.2016.4426

**Risks for human health related to the presence of
3- and 2-monochloropropanediol (MCPD), and their
fatty acid esters, and glycidyl fatty acid esters in food**

EFSA Panel on Contaminants in the Food Chain (CONTAM)

Ge: Alara Principle

3-MCPDe: TDI 0,8 ug/kg bw

Attenzione Mediatica

Processing conditions used in the manufacture of HVP produce free 3- and 2-MCPD. Steps are now taken routinely to both reduce their formation and to lower their levels, but the problem is not eliminated. Glycidyl esters are formed from DAG on heating vegetable oils to temperatures in excess of 200°C, for example during the deodorisation stages of refining, and are therefore a particular problem in palm oil, which can have a high (4–12%) DAG content.

● olio di palma
Termine di ricerca

+ Confronta

Italia

01/01/16 - 12/11/19

Tutte le categorie

Ricerca Google

Interesse nel tempo



Ge: genesi normativa

Fediol: impegno per la riduzione del contenuto di Ge in tutti gli oli e grassi a 1 mg/kg entro Settembre 2017



COMMISSION REGULATION (EU) 2018/290

of 26 February 2018

amending Regulation (EC) No 1881/2006 as regards maximum levels of glycidyl fatty acid esters in vegetable oils and fats, infant formula, follow-on formula and foods for special medical purposes intended for infants and young children

4.2	Glycidyl fatty acid esters expressed as glycidol	
4.2.1.	Vegetable oils and fats placed on the market for the final consumer or for use as an ingredient in food with the exception of the foods referred to in 4.2.2	1 000
4.2.2.	Vegetable oils and fats destined for the production of baby food and processed cereal-based food for infants and young children ⁽³⁾	500
4.2.3	Infant formula, follow-on formula and foods for special medical purposes intended for infants and young children (powder) ⁽³⁾ ⁽²⁹⁾	75 until 30.6.2019 50 as from 1.7.2019
4.2.4	Infant formula, follow-on formula and foods for special medical purposes intended for infants and young children (liquid) ⁽³⁾ ⁽²⁹⁾	10,0 until 30.6.2019 6,0 as from 1.7.2019*

Regolamento (UE) 290/2018

COMMISSION REGULATION (EU) 2018/290

of 26 February 2018

amending Regulation (EC) No 1881/2006 as regards maximum levels of glycidyl fatty acid esters in vegetable oils and fats, infant formula, follow-on formula and foods for special medical purposes intended for infants and young children

- Per tutti gli oli e grassi vegetali
- 6 mesi di periodo transitorio



Ge-RASFF

European Commission > RASFF Portal

Notifications list New search Export to XML Print version

Notification details - 2018.3767

glycidyl esters (1120 µg/kg - ppb) in refined grapeseed oil from Spain

European Commission > RASFF Portal

Notifications list New search Export to XML Print version

Notification details - 2018.3439

glycidyl esters (1100 µg/kg - ppb) in vegetable fat used in the manufacture of chocolate products from Sweden

Reference: 2018.3439 Notification type: food - alert - company's own check

Notification date: 27/11/2018 Action taken: withdrawal from recipient(s)

Last update: 28/12/2018 Distribution status: distribution to other member countries

Notification from: Sweden (SE) Product: vegetable fat used in the manufacture of chocolate products

Classification: alert Product category: fats and oils

Risk decision: serious Published in RASFF Consumer Alert: has never been published

Follow-up :

Reference	Follow-up from	Follow-up type	Comments
fup2	Sweden	2018/12/28	inform.
fup4	Sweden	2018/12/04	req.
fup5	Sweden	2018/12/28	additional information
	Consumer Service	2018/12/28	withdrawal of original notification In agreement with Swedish NCP and since with the uncertainty of 15%, the legal limit is not exceeded with certainty

Substance / Hazard	Category	Analytical result	Units	Sampling date
glycidyl esters	process contaminants	1100	µg/kg - ppb	07/11/2018

3-MCPDe

UPDATE

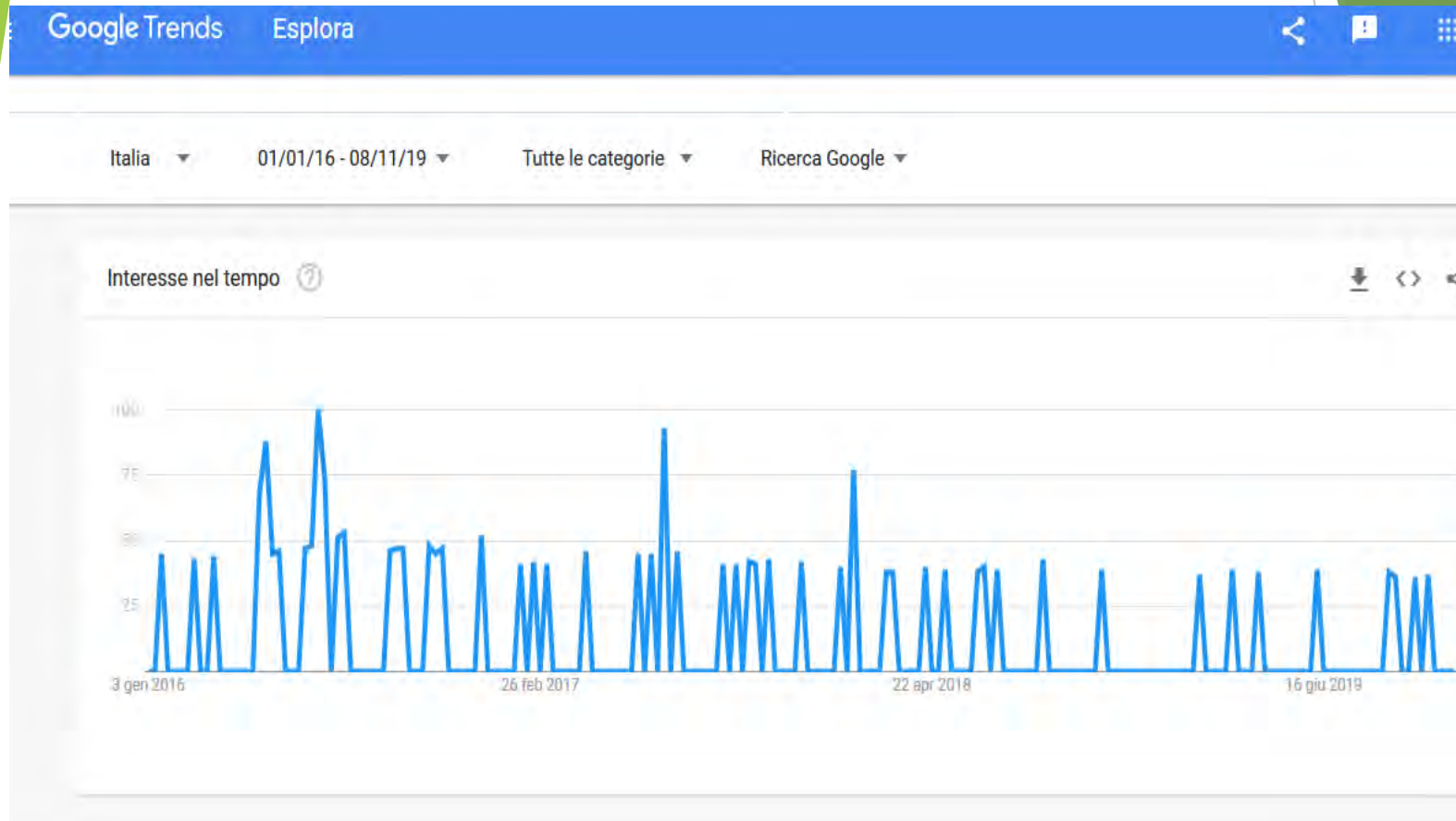
EFSA (3/5/2016): TDI 0,8 ug/kg bw

JECFA (23/11/2016): TDI 4,0 ug/kg bw

EFSA (21/11/2017): TDI 2,0 ug/kg bw



Interesse mediatico



Attività di interlocuzione a livello europeo

Fediol, Fedolive, EurOlivePomace, Imace e FDE: posizione limite unico per tutti gli oli e grassi vegetali per uso alimentare (2,5 ppm)

UK e Sud Europa allineati sulla posizione del limite unico

Germania e Francia a favore di un doppio limite per il principio ALARA



Attività di interlocuzione a livello Nazionale

Assitol, Unione Nazionale Food e Federalimentare: limite unico per tutti gli oli e grassi vegetali per uso alimentare a 2,5 ppm

Assitol: lettere e incontri con i principali esponenti politici e i rappresentanti delle Istituzioni interessate

Dopo l'intervento di Assitol, i vertici delle Istituzioni nazionali si sono attivati per chiedere un limite unico per tutti gli oli e grassi, sulla linea seguita per il Ge

Posizione UE

Nonostante la posizione ufficiale dell'Italia, l'Europa ha iniziato a supportare la proposta del doppio limite

4.3	Sum of Free 3-monochloropropane diol (3-MCPD) and 3-MCPD fatty acid esters, expressed as 3-MCPD (****)	
4.3.1.	Vegetable oils and fats, fish oils and oils from other marine organisms placed on the market for the final consumer or for use as an ingredient in food falling within the following categories, with the exception of the foods referred to in 4.3.2 and of virgin olive oils (*): <ul style="list-style-type: none"> - oils and fats from coconut, maize, rapeseed, sunflower, soybean, palm kernel and olive oils (composed of refined olive oil and virgin olive oil)(*) and mixtures of oils and fats with oils and fats only from this category; - other vegetable oils (including pomace olive oils(*)), fish oils and oils from other marine organisms and mixtures of oils and fats with oils and fats only from this category; - <u>mixtures</u> of oils and fats from the two above mentioned categories. 	1250 2500 --- (*****)
4.3.2.	Vegetable oils and fats, fish oils and oils from other marine organisms destined for the production of baby food and processed cereal-based food for infants and young children ⁽³⁾	750(*****)
4.3.3	Infant formula, follow-on formula and foods for special medical purposes intended for infants and young children ⁽³⁾ ⁽²⁹⁾ and young child formula ⁽²⁹⁾ (***) (powder)	125



Code of Practice on mitigation

CODEX ALIMENTARIUS

INTERNATIONAL FOOD STANDARDS



Food and Agriculture
Organization of
the United Nations



World Health
Organization

E-mail: codex@fao.org - www.codexalimentarius.org

CODE OF PRACTICE FOR THE REDUCTION OF 3-MONOCHLOROPROPANE-1,2- DIOL ESTERS
(3-MCPDEs) AND GLYCIDYL ESTERS (GEs) IN REFINED OILS
AND FOOD PRODUCTS MADE WITH REFINED OILS

CXC 79-2019

Adopted in 2019.

CODE OF
PRACTICE



Conclusioni

Le aziende auspicano **l'adozione** di un Regolamento europeo che sia chiaramente applicabile per operare in maniera lineare sul mercato



Grazie per l'attenzione

www.assitol.it



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Associazione Italiana dell'Industria Olearia

