



Cargill (BV) Oils & Seeds EMEA
Evert van de Beekstraat 378
PO Box 75840 1118 CZ Schiphol The Netherlands
Tel: +31 (0)20 500 6000
Fax: +31 (0)20 500 6950

Guidance on safe use

NatureWax Elite 600

This document is prepared as a communication tool to inform downstream users regarding the status of this substance under REACH and CLP, some of its intrinsic properties, as well as to communicate the guidance on safe use. An extended Safety Data Sheet (SDS) is not required for this substance according to Article 31 of Regulation (EC) 1907/2006 (REACH). Consequently, the format and content of this document is outside the scope of SDS as specified in Commission Regulation (EU) 453/2010, amending Regulation (EC) 1907/2006.

IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

Substance name	Glycerides, C8-18 and C18-unsatd
EC No	266-946-3
CAS No	67701-28-4
Substance name 2	Glycerides, C16-18 and C18-unsatd
EC No 2	266-948-4
CAS No 2	67701-30-8

REACH status

-Uses in food and feeding stuffs:
the above product is exempted from Registration in accordance with Article 2(5)b of Regulation (EC) 1907/2006
- Uses in non-food and non-feed:
o Glycerides, C8-18 and C18-unsatd – interesterified, partially and fully hydrogenated oils and fats:
Registration number 01-2119493565-26
o Glycerides, C8-18 and C18-unsatd (crude, semi-refined and fully refined) and Glycerides, C16-18 and C18-unsatd are exempted from registration in accordance with Article 2(7)a of Regulation (EC) No 1907/2006 (amended by Commission Regulation (EC) 987/2008):
substances included in Annex IV, as sufficient information is known about these substances that they are considered to cause minimum risk because of their intrinsic properties

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

As food ingredient and feed material, as intermediates for the manufacturing of various products, e.g. spreads, and as constituents in mixtures, e.g. additive carrier.

Uses advised against

None

Supplier

Cargill (BV) Oils & Seeds EMEA
Evert van de Beekstraat 378
1118 CZ Schiphol
The Netherlands

Telephone number	+0031 (0)20-500 6000
E-mail address	EMEA-FSQRinfo@cargill.com

HAZARDS IDENTIFICATION

This substance is not considered hazardous. It does not meet the criteria for classification according to Dangerous Substances Directive 67/548/EEC and Regulation (EC) 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

COMPOSITION / INFORMATION ON INGREDIENTS

Composition information on ingredients



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Glycerides, C8-18 and C18-unsatd. and Glycerides, C16-18 and C18-unsatd are a UVCB substance composed predominantly of trialkylglycerides (a glycerol backbone esterified to three fatty acid chains) showing a variation in distribution of carbon chain length of saturated C8-18 as well as unsaturated C18 fatty acids. Other constituents are mono- and di-alkylglycerides, fatty acids, and minor components that are inherently part of the vegetable oil composition.

FIRST AID MEASURES

Eye contact

Flushing with drinking water is recommended if irritation (temporary redness) occurs.

Skin contact

No particular first aid measures are generally required.

Ingestion and Inhalation

No particular first aid measures are generally required. Immediate medical attention is normally not needed.

FIREFIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO₂), sand, extinguishing powder or water spray jet.

Unsuitable extinguishing media

full water jet

Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked or spilled product. Safety glasses should be worn if eye contact can be expected.

Environmental precautions

Do not allow product to reach soil, sewage systems or any water course

Methods and material for containment and cleaning up

Use dry spill kit material or sand to collect spilled product, then place in container for waste

HANDLING AND STORAGE

Recommended handling practices

No special precautions are necessary beyond normal good hygiene practices.

Conditions for safe storage

Liquid-proof separation areas around storage tanks are recommended to avoid leakage into environment

Recommended storage temperature

Maintain storage temperature of ca. 10-15°C above the melting point (see product data sheet for specific data).

EXPOSURE CONTROLS/PERSONAL PROTECTION



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Use suitable personal protection measures when handling hot products.
Use appropriate safety glasses in the workplace when exposure to eyes can be expected to occur.
If the substance is used for frying purposes, ensure the operation is carried out in open area and/or in area with proper ventilation.

Always observe good personal hygiene measures, such as washing hands after handling the product and before eating and drinking. Routinely wash work clothing and protective equipment to remove contaminants.

PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance (at 20°C and atm pressure)	Off-white/yellowish in semi-solid to solid state
Appearance (liquid oils or molten fats)	Yellow liquid
Odour	Neutral, nutty
Melting Point	ca. 20 - 55°C (see product data sheet for specific data)
Boiling Point	ca. 390°C
Flammability (solid fats)	Not flammable
Vapour pressure	<1.33xE-8 Pa (<1.00xE-10 mmHg) at 20°C
Relative density	0.92 – 0.97 at 20°C
Water solubility	Insoluble
Explosive properties	Not explosive
Oxidising properties	Not expected to be oxidising

STABILITY AND REACTIVITY

Chemical stability and reactivity

This substance is stable and not reactive under normal and foreseeable handling and use conditions.

Possibility of hazardous reactions

Acrolein formation occurs by heating the substance under atmospheric pressure at temperatures over 270°C.
During frying acrolein can be formed at lower temperatures.

TOXICOLOGICAL INFORMATION

This substance has a long history of safe use in wide range of nutritional applications (food and feed) as well as in cosmetics and other industrial applications. It is not expected to induce germ cell mutagenicity, carcinogenicity and reproductive toxicity.

Skin corrosion/irritation

Not irritating

Serious eye damage/irritation

Minimally irritating

Skin sensitization

Not sensitizing

ECOLOGICAL INFORMATION

This substance is readily biodegradable.
As such, this substance is not expected to bio-accumulate in aquatic and terrestrial organisms.

DISPOSAL CONSIDERATIONS



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Do not discharge into drains (sewage system), water courses or onto the ground.
May absorb in dry spill kit or sand and then dispose in licensed special waste site. Incineration in approved installations.
European Waste Codes for unused substance: 02 03 04

TRANSPORTATION INFORMATION

This substance is not considered hazardous for transport under ADR/RID, IMDG, IATA.

OTHER INFORMATION

Disclaimer:

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. Therefore, no warranty is made or to be implied that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.