

Guidance on safe use

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

Product Name	Refined Organic Shea Butter
Substance name	Glycerides, C16-18 and C18-unsatd.
EC No	293-515-7
CAS No	91080-23-8

REACH status

This substance is exempted from Registration according to the following provisions: - Uses in food and feedingstuffs: Article 2(5)b of Regulation (EC) 1907/2006 - Uses in non-food and non-feed: 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. emulsifiers and biodiesel, and as constituents in mixtures, e.g. additive carrier and candles.

Uses advised against

None

Supplier

Cargill BV, Zaanlandse Olieraffinaderij
 Kalf 11
 1509 AA Zaandam
 The Netherlands

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.

Zaanlandse Olieraffinaderij

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Zaanlandse Olieraffinaderij is a trade name of Cargill B.V.
 Registered in Amsterdam with number 33119622, VAT nr. NL002176816B01, Bank of America 26.65.25.555

On any (potential) agreement concerning receipt, storage, packaging and/or processing of vegetable and/or animal oils and fats, the General Terms and Conditions of the ZOR apply, as filed at the Registry of the Amsterdam District Court on December 24th, 2007 under number 182/2007. The ZOR hereby expressly rejects the application of any general terms that may be used by the counterparty.

COMPOSITION /INFORMATION ON INGREDIENTS

Composition information on ingredients

Glycerides, C16-18 and C18-unsatd., is 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 C16-18 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

CO², sand or extinguishing powder.

Unsuitable extinguishing media

Water

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

Liquid oils: max 30°C Fats: ca 10-15°C above the melting point of the product.

EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Appearance (liquid oils or molten fats)	Yellow to amber
Appearance (solid fats)	Off-white/yellowish
Appearance (olive oils)	Green-Yellow
Odour	Neutral, nutty, typical
Melting point (solid fats)	33 - 55°C
Freezing point (liquid oils)	ca. -38°C
Boiling Point	≥ 390°C
Flash point (refined oils)	~300°C
Flammability (solid fats)	Not flammable
Vapour pressure	<1.33x10 ⁻⁸ Pa (<1.00x10 ⁻¹⁰ mmHg) at 20°C
Relative density	0.92 – 0.95 à 20°C
Water solubility	Insoluble
Explosive properties	Not explosive
Oxidising properties	Not expected to be oxidizing.
Auto-ignition temperature	Not auto flammable
Viscosity (liquid oils)	50 – 65 mPa.s at 20°C

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.

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 sensitizing

Not sensitizing

ECOLOGICAL INFORMATION

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

Water hazard class (WKG)

WGK (German regulation):

- nwg - non-hazardous to water - for oils intended for food and feed application.
- awg - deemed hazardous to water in general - for oils intended for technical application.

DISPOSAL CONSIDERATIONS

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

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