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Guidance on safe use

Agri-Pure AP-660

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 (EC) 1907/2006, as amended.

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

Substance name	Glycerides, C16–18
EC No	268-084-3
CAS No	68002-71-1

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, as amended
- Uses in non-food and non-feed applications:

Registration number 01-2119485968-12

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. cosmetics, emulsifiers, and as constituents in mixtures, e.g. additive carrier and candles.

Uses advised against

None

HAZARDS IDENTIFICATION

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

COMPOSITION / INFORMATION ON INGREDIENTS

Composition information on ingredients

Glycerides C16-18, is a UVCB substance composed predominantly (typical concentration 90%) of trialkylglycerides (a glycerol backbone esterified to three fatty acid chains) showing a variation in distribution of carbon chain length of saturated C16-18. Other constituents are mono- and di-alkylglycerides CAS No 85251-77-0, typical concentration – 9%, fatty acids CAS No 67701-03-5, typical concentration - 1%, also can contain other minor non SVHC components that are inherently part of the vegetable oil composition. Other components do not contain substances classified as hazardous to health.

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

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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

Conditions for safe storage

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

Recommended storage temperature

70-85 °C.

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

Physical and chemical properties

Appearance (at 20°C and atm pressure)	Off-white/yellowish in solid state
Appearance (molten fats)	Yellow liquid
Odour	Neutral
Melting point (solid fats)	55-60°C
Boiling Point	≥ 400°C
Flammability (solid fats)	Not flammable
Vapour pressure	<1.33xE-8 Pa (<1.00xE-10 mmHg) at 20°C
Relative density	ca.0.92 – 0.98 at 20°C (calculated)
Water solubility	Insoluble
Explosive properties	Not explosive
Oxidising properties	Not expected to be oxidising

STABILITY AND REACTIVITY



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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

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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