

## LiveSoy Pillar (LM106)

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

#### REACH status

- Uses in food and feeding stuffs:  
the above products are exempted from Registration in accordance with Article 2(5)b of Regulation (EC) 1907/2006  
- Uses in non-food and non-feed applications:  
Crude, semi-refined and fully refined oils, Agri-pure AP-15, Agri-pure AP-20: exempted from Registration in accordance with Article 2(7)b of Regulation (EC) No 1907/2006  
(amended by Commission Regulation (EC) 987/2008) as substances covered by Annex V paragraph 9  
Hydrogenated oils: Registration number 01-2119493565-26

#### 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

##### Supplier

LiveMoor,  
Unit 1, Haxter Court,  
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Plymouth, Devon, PL6 7FS, UK

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### 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

Glycerides, C8-18 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 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

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Specification [Rev] : GSU00 [12]

Valid for maximum 3 years after issue date

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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 (CO<sub>2</sub>), 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**

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

## LiveSoy Pillar (LM106)

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. 377°C (as fully hydrogenated coconut oil)
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.

#### 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.



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# **Material Safety Data Sheet**

## **LiveSoy Pillar (LM106)**

### **OTHER INFORMATION**

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