







## 9.2. Other information

No data available

# SECTION 10: STABILITY AND REACTIVITY

## 10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

## 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

## 10.3. Possibility of hazardous reactions

Not indicated

## 10.4. Conditions to avoid

Not indicated

## 10.5. Incompatible materials

Avoid contact with oxidizers.

## 10.6. Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and harmful and irritating substances.

# SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

### General or unspecific toxicity

The product is not classified as toxic.

### Acute effects

Not classified as an acutely toxic substance.

### Harmfulness

The product is not classified as harmful to health.

### Repeated dose toxicity

No chronic effects have been reported for this product.

### Carcinogenicity

No carcinogenic effects have been reported for this product.

### CMR effects

No mutagenic or reproductive toxic effects have been reported for this substance.

### Sensibilisation

Not sensitising.

### Corrosive and irritating effects

The product is not corrosive. Minor irritation may arise for persons who are prone/susceptible.

### Synergism and antagonism

No information is available.

### Effect on judgement and other psychological effects

Does not affect the judgement.

### Relevant toxicological properties

Linoleoyl-L-Carnitine Chloride No data

# SECTION 12: ECOLOGICAL INFORMATION

## 12.1. Toxicity

### Linoleoyl-L-Carnitine Chloride

No ecological damage is known or expected in the event of normal use.

## 12.2. Persistence and degradability

The components of the product degrades in the natural environment.

Not applicable

## 12.4. Mobility in soil

The product is not soluble in water and will spread on aquatic surfaces.

### 12.5. Results of PBT and vPvB assessment

No chemical safety report has been executed.

### 12.6. Other adverse effects

Not indicated

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Waste handling for the product

The product is not classified as hazardous waste.

Also take local regulations for dealing with waste into account.

Avoid discharge into sewers.

#### Recycling of the product

This product is not usually recycled.

Send to landfill.

#### Transportation of waste

Waste class J(0) - Does not have adverse effects on health or the environment.

## SECTION 14: TRANSPORT INFORMATION

This product is only supposed to be transported by road or railway and just the transport regulations ADR/RID thus apply. If other means of transport are to be used, contact the publisher of this safety data sheet.

### 14.1. UN number

Not classified as dangerous goods

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable.

### 15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: OTHER INFORMATION

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

This is the first version.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Full texts for Hazard Class and Category Code mentioned in section 3

*No tox haz*

Not classified as toxic

*No phys haz*

Non-assigned physical hazard

*No environmental hazard*

Not classified as being environmentally hazardous

#### Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

## 16c. Key literature references and sources for data

### Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2015-06-05.

Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

### Full texts for Regulations mentioned in this Safety Data Sheet

453/2010 COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

89/391 COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work

1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Annex I

## 16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

The calculation of the hazards of this mixture has been performed as an evaluation by applying a weight of evidence determination using expert judgement in accordance with 1272/2008 Annex I, weighing all available information having a bearing on the determination of the hazards of the mixture, and in accordance with 1907/2006 Annex XI.

## 16e. List of relevant hazard statements and/or precautionary statements

## 16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

### Warning for misuse

This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

### Other relevant information