

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Substance  
Trade name : SOFTISAN® 649  
Chemical name : Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isooctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid  
EC-No. : 406-144-4  
CAS-No. : 130905-60-1  
REACH registration No : 01-0000015564-69-0000

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Raw material Chemical industries, Cosmetic products

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

IOI Oleo GmbH  
Zur Hafenspitze 15  
19322 Wittenberge  
T +49 40 280031-0

**Email competent person**

MSDS@ioioleo.de

**Manufacturer**

IOI Oleo GmbH  
Arthur-Imhausen-Str. 92  
D-58453 Witten  
T +49 40 280031-0

**1.4. Emergency telephone number**

Emergency number : National Health Service (NHS)  
24 hour national number consumer  
England and Scotland: 111  
Wales: 0845 46 47  
Northern Ireland: call your local General Practitioner  
  
Call 999 if there is a life-threatening incident.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Adverse physicochemical, human health and environmental effects**

No additional information available.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

**2.3. Other hazards**

Other hazards not contributing to the classification : If spilled, may cause the floor to be slippery.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

**SECTION 3: Composition/information on ingredients****3.1. Substances**

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## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Name	Product identifier	%
Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isoctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid	(CAS-No.) 130905-60-1 (EC-No.) 406-144-4 (REACH-no) 01-0000015564-69-0000	-

Comments : INCI Name  
Bis-Diglyceryl Polyacyladipate-2

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : In case of doubt or persistent symptoms, consult always a physician.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.  
First-aid measures after skin contact : Wash skin with plenty of water. Remove dirty clothes. Get medical advice if skin irritation persists.  
First-aid measures after eye contact : Rinse thoroughly and plentifully with water, also under the eyelids. Consult an ophthalmologist if irritation persists.  
First-aid measures after ingestion : Rinse mouth. If symptoms persist call a doctor. Do not give an unconscious person anything to drink.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : No additional information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Use fire fighting measures suiting the environment.  
Unsuitable extinguishing media : Water.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

Protection during firefighting : Self-contained breathing apparatus.  
Other information : Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dispose of in accordance with relevant local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spills of this product present a serious slipping hazard.

#### 6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

#### 6.1.2. For emergency responders

Protective equipment : Concerning personal protective equipment to use, see section 8.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid sub-soil penetration.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material sand, saw dust, kieselguhr.  
Other information : Shovel into suitable and closed container for disposal.

### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Keep away from sources of ignition - No smoking.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Store tightly closed in a dry and cool place.  
Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

No additional information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

In case of repeated or prolonged contact wear gloves. Protective gloves. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### Eye protection:

Chemical goggles

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

Not necessary with sufficient ventilation. In case of unintentional release of substance, exceeding the occupational exposure limit value. Filter type: A.

##### Environmental exposure controls:

Avoid release to the environment.

##### Other information:

Do not eat, drink or smoke when using this product. Remove soiled clothing promptly. Wash hands before breaks and after work.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Pasty.  
Colour : Yellow.  
Odour : characteristic.  
Odour threshold : No data available  
pH : Not applicable  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : ≈ 35 °C  
Freezing point : No data available  
Boiling point : No data available  
Flash point : > 250 °C  
Auto-ignition temperature : (Liquid: Flash point > 200°C)  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available

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Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.979 (47°C)
Solubility	: Water: < 0.001 g/l
Log Pow	: 3.95 (20°C)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available.

### 10.2. Chemical stability

No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Overheating. Protect from light.

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	> 2000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information	: rabbit (OECD 404 method)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information	: rabbit (OECD 405 method)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Guinea pig (OECD 406 method)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Mutagenicity (mammalian cell test): chromosomes aberration negative
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

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**Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isooctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid (130905-60-1)**

NOAEL (oral, rat, 90 days) : 1800 mg/kg bodyweight/day

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

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EC50 Daphnia 1 : > 0.57 mg/l (48 h; Daphnia magna; >Water solubility)

ErC50 (algae) : > 4.4 mg/l (72 h; Desmodesmus subspicatus; >Water solubility)

NOEC chronic fish : > 2.3 mg/l (28 d; Oncorhynchus mykiss (Rainbow trout); >Water solubility)

NOEC chronic crustacea : 2.5 mg/l (21 d; Daphnia magna; >Water solubility)

NOEC chronic algae : >= 4.4 mg/l (72 h; Desmodesmus subspicatus; >Water solubility)

LC0, Leuciscus idus (golden orfe) : > 0,04 mg/l (96 Hours, (> Water solubility))

#### 12.2. Persistence and degradability

**Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isooctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid (130905-60-1)**

Persistence and degradability : Biodegradable.

Biodegradation : > 70 % (28 d; (OECD 302C method))

#### 12.3. Bioaccumulative potential

**Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isooctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid (130905-60-1)**

Log Pow : 3.95 (20°C)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

**Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isooctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid (130905-60-1)**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue.

Product/Packaging disposal recommendations : Do not re-use empty containers without proper cleaning or reconditioning.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isooctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid is not on the REACH Candidate List

Reaction product of octanoic acid, decanoic acid, octadecanoic acid, isooctadecanoic acid, 12-hydroxyoctadecanoic acid, 3,3'-oxybis(1,2-propanediol) and hexanedioic acid is not on the REACH Annex XIV List

Other information, restriction and prohibition regulations : A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Logo	Modified	

Abbreviations and acronyms:

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
CAS	Chemical Abstract Service
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LC50	Median lethal concentration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
SDS	Safety Data Sheet

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according to Regulation (EC) No. 1907/2006 (REACH)

vPvB	Very Persistent and Very Bioaccumulative
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration

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Other information : Version/s 2.02 is/are not available in this language.

KFT SDS EU 06

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*