



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 25.04.2016

Version: 1.01

Revision: 25.04.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **SOFTISAN® 645**

CAS Number:

130905-60-1

1.2 Relevant identified uses of the substance or mixture and uses advised against: -

Application of the substance / the preparation:

Raw material for industrial applications

Cosmetic raw material

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

IOI Oleo GmbH

Arthur-Imhausen Str. 92

D-58453 Witten

Tel.: ++49-40-280031-0

Email competent person: MSDS@ioioleo.de

Information department: See supplier/manufacturer

1.4 Emergency telephone number:

National Poison Information Service (NPIS)

24 hour national number professionals only

0844 892 0111

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 The substance is not classified according to the CLP regulation.

Additional information: Product forms slippery surface when combined with water.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Description:

130905-60-1

Identification number(s): -

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· **INCI:** DIGLYCERYL ADIPATE/CAPRATE/CAPRYLATE/HYDROXYSTEARATE/ISOSTEARATE/STEARATE**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** If symptoms persist or in case of doubt, seek medical advice.
- **After inhalation:** Supply fresh air; consult a doctor in case of pain.
- **After skin contact:**
Rinse with plenty of water.
If symptoms persist, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse mouth with water.
Seek medical treatment.
Never give anything by mouth to an unconscious person.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Carbon dioxide (CO₂)
Foam
Fire-extinguishing powder
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information:** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Product forms slippery surface when combined with water.
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Make sure to recycle or dispose of in suitable receptacles.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used properly.
- **Information about protection against explosions and fires:** Observe the general rules of industrial fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep receptacle well sealed and storage at a well-ventilated area.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from feed.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **Storage class:** 10 Combustible liquids
- **7.3 Specific end use(s)** No further relevant information available

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required
- **Additional information:** The lists that were valid during the creation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures should be adhered to when handling chemicals.
 - Wash hands before breaks and at the end of work.
 - Use skin protection cream for skin protection.
- **Breathing equipment:**
 - Not necessary if room is well-ventilated
 - At formation of aerosols and mist:
 - Short term filter device:
 - Filter type: A
- **Protection of hands:**
 - At longer contact: protective gloves
 - After use of gloves apply skin-cleaning agents and skin cosmetics.
 - The glove material has to be impermeable and resistant to the product/substance/preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.
 - Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material:**
 - The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information:	
· Appearance:	
Form:	Liquid Viscous
Colour:	Yellow
· Odour:	Characteristic
· Odour threshold:	Not determined
· pH-value:	Not applicable
· Change in condition:	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
· Flash point:	> 200 °C (DIN ISO 2592)
· Flammability (solid, gaseous):	Not applicable
· Ignition temperature:	Not determined
· Decomposition temperature:	Not determined
· Self ignition temperature:	Not determined
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined
Upper:	Not determined
· Vapour pressure:	Not determined
· Density at 20 °C:	~1.01 g/cm ³
· Relative density:	Not determined
· Vapour density:	Not determined
· Evaporation rate:	Not determined
· Solubility in / Miscibility with Water:	
	Inmiscible 20 °C
· Partition coefficient (n-octanol/water): 3.95 log POW	
· Viscosity:	
dynamic:	Not determined
kinematic:	Not determined
· 9.2 Other information	No further relevant information available

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
To avoid thermal decomposition do not overheat.
No decomposition if used and stored according to specifications
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid**
Strong heating
Dirt
Chemical contamination

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- Sunlight, UV or ionizing radiation
- **10.5 Incompatible materials:** No further relevant information available
- **10.6 Hazardous decomposition products:**
No hazardous decomposition products if instructions for storage and handling are followed

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**
 - Oral LD₅₀ > 2000 mg/kg (rat) (OECD 401)
 - Dermal LD₅₀ > 2000 mg/kg (rat) (OECD 402)
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritating effect species: rabbit OECD test 404
- **Serious eye damage/irritation** No irritating effect species: rabbit (eye) OECD test 405
- **Respiratory or skin sensitisation**
No sensitising effect in guinea pig in maximation test
OECD 406
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** No mutagenic effects
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity**
 - Oral NOAEL 1000 mg/kg bw/day (rat)
 - NOAEL (P) 1000 mg/kg bw/day (rat)
 - NOAEL (maternal) 1000 mg/kg bw/day (rat)Based on available data, the classification criteria are not met.
- **STOT-single exposure** No classification
- **STOT-repeated exposure**
No classification
Oral NOAEL 1800 mg/kg bw/d (rat)
- **Aspiration hazard** Not relevant

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
No harmful effect on fish, daphnia and algae up to its limit of solubility.
In analogy to similar product
 - EC₁₀ > 1700 mg/l (Pseudomonas putida)
5 h, oxygen consumption test
 - LC₅₀ > 1000 mg/kg (Eisenia foetida) (OECD TG 207)
 - NOEC/21d 2.5 mg/l (Daphnia magna) (OECD TG 202, Part 2)
 - NOEC/28 d ≥ 2.3 mg/l (Oncorhynchus mykiss)
- **12.2 Persistence and degradability**
Not readily biodegradable
< 60 %, 28 d, aerob.
OECD 301 B
Biodegradable
> 70 %, 28 d; aerob.
OECD 302 C
- **12.3 Bioaccumulative potential** No further relevant information available
- **12.4 Mobility in soil** No further relevant information available

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- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water
According to Annex 3 of the General Administrative Regulation under the Federal Water Act on the Classification of Substances
Hazardous to Water into Water Hazard Classes
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Toxicity to soil dwelling organisms:**
EC₅₀ >100 mg/kg (Eisenia foetida) (OECD 208)
Triticum aestivum, Lepidium sativum, Brassica alba
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Other adverse effects** No further relevant information available

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Disposal according to instructions of local authorities
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class 	Void
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user 	Not applicable
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable
<ul style="list-style-type: none"> · UN "Model Regulation": 	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations**
- **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water

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Ident number.: 4930

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.*** SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Reasons for amendments:**

EC Regulation 453/2010
Supplier/manufacturer/distributor
General revision

· **Replaces version dated:** 17.02.2014· **Department issuing SDS:**

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· **Contact:** Dr. Rebecca Hiltrop· **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

SVHC: Substances of Very High Concern

· *** Data compared to the previous version altered.**

Changes have been made to sections marked with a *, as compared to the previous version.