



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 30.05.2017

Version: 4.01

Revision: 30.05.2017

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

· **1.1 Product identifier**

· Trade name: **SOFTIGEN® 767**

· CAS Number:

127281-18-9

· Registration number:

Polymers do not have to be registered according to REACH. All monomers of this substance have been or will be registered accordingly.

· **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**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The substance is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

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· Hazard statements

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P264 Wash face, hands and all exposed skin thoroughly after handling.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 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:**

127281-18-9 Glycerides, mixed decanoyl and octanoyl, reaction products with oxirane

· Identification number(s): -**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:** Immediately remove any clothing soiled by the product.**· After inhalation:**

Remove victim from contaminated area. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Call a doctor.

· After skin contact:Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.**· After eye contact:** Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor (eye specialist).**· After swallowing:**Do not induce vomiting; call medical help immediately.
Never give anything by mouth to an unconscious person.**· 4.2 Most important symptoms and effects, both acute and delayed** Local irritation symptoms**· 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:**

Foam
Fire-extinguishing powder
Water jet spray
Carbon dioxide (CO₂)

· For safety reasons unsuitable extinguishing agents: None**· 5.2 Special hazards arising from the substance or mixture**In case of fire, the following can be released:
Toxic fumes**· 5.3 Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.

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Do not inhale combustion vapours.

Additional information:

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

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.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.**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:** Not required**Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from feed.

Refer to national regulations for storing hazardous chemicals.

Further information about storage conditions: Keep receptacle tightly sealed.**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:**

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

After contact with eyes, rinse immediately.

Provide eye bath.

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- **Breathing equipment:**

Under normal conditions of use not required

Use a suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

Short term filter device:

Filter A-P2

Full mask with filter: ABEK-P2

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/substance/preparation.

Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

- **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.

- **For the permanent contact gloves made of the following materials are suitable:**

Butyl rubber, BR

(Thickness: 0.7 mm; Permeation time: 480 minutes)

- **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

(Thickness: 0.4 mm; Permeation time: 30 minutes)

- **Eye protection:** Tightly sealed goggles

- **Body protection:** Use protective suit.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information:**

- **Appearance:**

Form: Liquid

Colour: Yellowish

- **Odour:** Characteristic

- **Odour threshold:** Not determined

- **pH-value:** Not determined

- **Change in condition:**

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

- **Flash point:** 254 °C

- **Flammability (solid, gas):** Not applicable

- **Ignition temperature:** Not determined

- **Decomposition temperature:** Not determined

- **Self ignition temperature:** Not determined

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower: Not applicable

Upper: Not applicable

- **Vapour pressure:** Not determined

- **Density at 20 °C:** ~1.1 g/cm³

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· Relative density:	Not determined
· Vapour density:	Not determined
· Evaporation rate:	Not determined
· Solubility in / Miscibility with Water:	Fully miscible
· Partition coefficient: n-octanol/water:	Not determined
· Viscosity:	
dynamic at 20 °C:	150 mPas
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:**
No decomposition if used and stored according to specifications
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid**
Sunlight, UV or ionizing radiation
Chemical contamination
Strong heating
- **10.5 Incompatible materials:**
Strong acids
Oxidants
- **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)
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritating effect species: rabbit OECD test 404
- **Serious eye damage/irritation**
Irritation (rabbit eye) (OECD 405)
Causes serious eye irritation.
- **Respiratory or skin sensitisation** No sensitisation species: guinea pig OECD 406
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity**
No mutagenic effect
OECD method 471
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information· **12.1 Toxicity**· **Aquatic toxicity:**EC₅₀ 430 mg/l (Pseudomonas putida) (OECD TG 209)
3 hEC₅₀/48h (static) >100 mg/l (Daphnia magna) (OECD 202)EC₅₀/72h (static) 100 mg/l (Desmodesmus subspicatus) (OECD 201)LC₅₀/96h >10-100 mg/l (Cyprinus carpio) (OECD 203)· **12.2 Persistence and degradability** Not readily biodegradable· **Other information:**

Biological degradation: <60% after 28 days

OECD 301 B

BODIS-Test; ISO 10708

· **12.3 Bioaccumulative potential** No further relevant information available· **12.4 Mobility in soil** No further relevant information available· **Ecotoxicological effects:**· **Remark:** Harmful to fish· **Additional ecological information:**· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

· **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:**

Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Adhering to the official regulations, it can be disposed of in an appropriate incinerator.

· **European waste catalogue:**

07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES

07 07 00 wastes from the MFSU of fine chemicals and chemical products not otherwise specified

07 07 99 wastes not otherwise specified

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agent:** Water; if necessary, with cleansing agents**SECTION 14: Transport information**· **14.1 UN-Number**· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**· **ADR, ADN, IMDG, IATA**

Void

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· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
· Transport/Additional information:	Not dangerous according to the above regulations
· 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.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Information about limitation of use:** Take note of Directive 94/33/EC on the protection of young people at work.
- **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Ident number.: 3043
- **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:** Layout
- **Replaces version dated:** 24.02.2016

· **Department issuing SDS:**
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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
DOT: US Department of Transportation
IATA: International Air Transport Association

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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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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

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