



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

Printing date: 05.07.2017

Version: 3.01

Revision: 05.07.2017

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

• **1.1 Product identifier**

• **Trade name:** **IMWITOR® 928**

• **CAS Number:**

91052-49-2

• **EC number:**

293-209-3

• **Registration number:** 01-2119963382-35-0000

• **1.2 Relevant identified uses of the substance or mixture and uses advised against:** No further relevant information available.

• **Application of the substance / the preparation:**

Raw material for industrial applications

Cosmetic raw material

Emulsifier

• **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 due to data

• **vPvB:** Not applicable due to data

SECTION 3: Composition/information on ingredients

• **3.1 Chemical characterisation: Substances**

• **CAS No. Description:**

91052-49-2 Glycerides, C12-18 mono- and di-

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- **Identification number(s):**
 - **EC number:** 293-209-3
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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.
 - **After eye contact:** Rinse opened eye for several minutes under running water.
 - **After swallowing:**
 - Seek medical treatment.
 - Never give anything by mouth to an unconscious person.
 - Do not induce vomiting.
 - Unless instructed explicitly by medical staff.
 - **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 powderUse fire fighting measures that suit the environment.
 - **For safety reasons unsuitable extinguishing agents:** High volume water jet
 - **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.
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
-

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.
 - **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:**
 - Pick up mechanically.
 - 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.
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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:** 11 Combustible solids
- **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
- **CAS No. Designation of material % Type Value Unit**
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**
 - Observe general threshold limit for dust.
- **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.
 - The usual protective measures based on the application have to be followed.
 - Use skin protection cream for skin protection.
- **Breathing equipment:**
 - Not necessary if room is well-ventilated
 - At formation of dust:
 - Short term filter device:
 - Filter P1
 - Filter P2
- **Protection of hands:**
 - Protective gloves
 - 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:**
 - For undissolved solid substances following materials may be suitable:
 - nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)
 - 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:	Solid material. Flakes
Colour:	Yellow
· Odour:	Characteristic
· Odour threshold:	Not determined
· pH-value:	Not applicable
· Change in condition:	
Melting point/freezing point:	34.4 °C (101kPa, ASTM E 737-76)
Initial boiling point and boiling range:	>400 °C (101kPa, ASTM E 737-76)
· Flash point:	Not applicable
· Flammability (solid, gas):	Not determined
· Ignition temperature:	Not determined
· Decomposition temperature:	Not determined
· Self ignition temperature:	Product is not self-igniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/dust mixtures is possible.
· Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
· Vapour pressure at 20 °C:	<0.0001 Pa (QSAR)
· Density at 20 °C:	0.92-0.99 g/cm ³ (QSAR)
· Relative density:	Not determined
· Vapour density:	Not applicable
· Evaporation rate:	Not applicable
· Solubility in / Miscibility with	
Water at 20 °C:	3.3 mg/l (pH=5,8-6,3; EU Method A.6)
· Partition coefficient: n-octanol/water at 22 °C: >6 log POW (pH 6, QSAR)	
· Viscosity:	
dynamic:	Not applicable
kinematic at 40 °C:	47.1 mm ² /s
· 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:**
The product itself has not been tested. Information is based on products of similar structure and composition.
 - Oral LD₅₀ > 2000 mg/kg (rat) (OECD 401)
test material: CAS 91744-28-4
 - Dermal LD₅₀ >2000 mg/kg (rat) (OECD 402)
test material: CAS 91052-13-0
 - Inhalative LC₅₀/6h >1.86 mg/l (rat) (equivalent to OECD 403)
maximum attainable concentration of respirable particles
test material: CAS 73398-61-5
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Skin irritation test (rabbit): no irritation
The product itself has not been tested. Information is based on products of similar structure and composition.
- **Serious eye damage/irritation**
Skin irritation test (rabbit): no irritation
The product itself has not been tested. Information is based on products of similar structure and composition.
- **Respiratory or skin sensitisation**
Not sensitising (OECD 429 - Local Lymph Node Assay)
The product itself has not been tested. Information is based on products of similar structure and composition.
- **Other information (about experimental toxicology):**
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:**
Carcinogenicity: no data available
Mutagenicity:
Ames-test: negative
Mouse lymphoma assay (OECD 476): negative
Mutagenicity (mammalian cell test): chromosomes aberration negative (OECD 473)
Toxicity to reproduction:
The product itself has not been tested. Information is based on products of similar structure and composition.
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No classification
- **STOT-repeated exposure:** No data available
- **Aspiration hazard** Not relevant
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity**
Ames-test: negative
Mouse lymphoma assay (OECD 476): negative
Mutagenicity (mammalian cell test): chromosomes aberration negative
OECD Guideline 473
- **Carcinogenicity** No data available
- **Reproductive toxicity**
No classification
 - Oral NOAEL (F1) ≥1342 mg/kg bw/day (rat) (OECD 416/126)
 - NOAEL (P) ≥1159 mg/kg bw/day (rat) (OECD 416/126)
 - NOAEL(developmental) ≥1000 mg/kg bw/day (rat) (OECD 422)
- **STOT-single exposure** No classification

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- **STOT-repeated exposure**
No classification
Oral NOAEL \geq 1000 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.
The product itself has not been tested. Information is based on products of similar structure and composition.
EC₅₀/48h 5.6 mg/l (Daphnia magna) (OECD 202)
test material: CAS 91052-49-2
ErC₅₀/72h 13 mg/l (Desmodesmus subspicatus) (OECD 201)
nominal, loading rate
test material: CAS 91052-49-2
NOEC/14d 41.1 mg/l (activated sludge, domestic) (OECD 301B)
test material: CAS 91744-28-4
- **12.2 Persistence and degradability** Biodegradable
- **Other information:**
Biological degradation: 79.5% after 28 days
(OECD 301B)
- **12.3 Bioaccumulative potential**
No bioaccumulation to be expected
Readily biodegradable
- **12.4 Mobility in soil** Adsorption to solid soil phase is possible.
- **Adsorption coefficient K_{oc}:** log K_{oc} = 1.46 (C12 monoester) - 7.96 (C18 diester) (calc.)
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water
Classification according to German VwVwS dt. 17.05.1999 appendix 3
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Toxicity to soil dwelling organisms:**
NOEC \geq 1000 mg/kg (Eisenia foetida) (OECD 207)
test material: CAS 620-67-7
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable due to data
- **vPvB:** Not applicable due to data
- **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

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void

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· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 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 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
- **15.2 Chemical safety assessment:**
A Chemical safety Assessment has been carried out.
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:** 11.04.2016

· **Department issuing SDS:**
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- **Contact:** Dr. Rebecca Hiltrop
- **Abbreviations and acronyms:**

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
EINECS: European Inventory of Existing Commercial Chemical Substances
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

· **Sources:** Chemical Safety Report

· * **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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