

**SECTION 1: Identification****1.1. Identification**

Product form : Substance
Trade name : IMWITOR® 491
Chemical name : glycerides of saturated fatty acids

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Raw material: Cosmetic products, Pharmaceutical industry, Manufacturing of food

1.3. Supplier

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

Email competent person
MSDS@ioioleo.de

Distributed by:

Univar Solutions USA
3075 Highland Pkwy Ste 200
Downers Grove, IL 60515
Telephone: 1-855-429-2661
Emergency phone number:
CHEMTREC 1-800-424-9300

1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incidents
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)
Poison control (USA) 1-800-222-1222

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS US classification**

Combustible Dust May form combustible dust concentrations in air
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements**GHS US labeling**

Signal word (GHS US) : Warning
Hazard statements (GHS US) : May form combustible dust concentrations in air
Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames. - No smoking.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, lighting equipment.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

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

IMWITOR® 491

Safety Data Sheet

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

Name	Product identifier	%	GHS US classification
glycerides of saturated fatty acids (Main constituent)	-	-	Comb. Dust

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: If symptoms persist, call a physician. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Consult an ophtalmologist if irritation persists. Rinse eyes with water as a precaution. Rinse thoroughly and plentifully with water, also under the eyelids.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Strong water jet.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.
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5.3. Special protective equipment and precautions for fire-fighters

Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Spilled material may present a slipping hazard.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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IMWITOR® 491

Safety Data Sheet

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.
Other information : Disposal must be done according to official regulations.

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation.
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. Keep cool. Keep container closed when not in use.
Incompatible materials : No additional information available.
Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

glycerides of saturated fatty acids	
USA - OSHA - Occupational Exposure Limits	
Local name	Total Dust (Inert or Nuisance Dust)
OSHA PEL TWA	15 mg/m ³
	50 mppcf
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:				
In case of repeated or prolonged contact wear gloves. Chemically resistant protective gloves. ISO 374-1. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Apply emollient cream. 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. Gloves must be replaced after each use and whenever signs of wear or perforation appear				
Type	Material	Permeation	Thickness (mm)	Penetration
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,35	No additional information available

IMWITOR® 491

Safety Data Sheet

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Chemically resistant protective gloves	butyl rubber	6 (> 480 minutes)	0,50	No additional information available
Eye protection:				
Chemical goggles. ISO 16321-1				
Skin and body protection:				
Wear suitable protective clothing. EN ISO 13688. EN 13034				
Respiratory protection:				
In case of insufficient ventilation, wear suitable respiratory equipment. Short term exposure, EN 143. Dust production: dust mask with filter type P1.				

Other information:

Wash hands before breaks and after work. Do not breathe dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: white
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: $\approx 73^{\circ}\text{C}$
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: $> 180^{\circ}\text{C}$ (DIN ISO 2592)
Relative evaporation rate (butyl acetate=1)	: Not applicable
Flammability (solid, gas)	: No data available
Vapor pressure	: Not applicable
Relative vapor density at 20°C	: Not applicable
Relative density	: No data available
Density	: 1 g/cm^3 (20°C)
Solubility	: Water: $< 1\text{ mg/l}$ Dispersible
Partition coefficient n-octanol/water (Log Pow)	: 6.1 (OECD 117 method)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Non oxidizing material.

9.2. Other information

Bulk density	: 500 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions.

IMWITOR® 491

Safety Data Sheet

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10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat. Protect from sunlight.

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 (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met).
Inhalation:dust,mist: Not classified (Based on available data, the classification criteria are not met).

glycerides of saturated fatty acids	
LD50 dermal rat	> 2000 mg/kg body weight (79/831/EWG, Annex V, Part B)
LC50 Inhalation - Rat	> 1.86 mg/l (6 h; (OECD 403 method); Maximum concentration)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
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)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	: Not applicable

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Based on available data, the classification criteria are not met.

glycerides of saturated fatty acids	
LC50 - Fish [1]	> 10000 mg/l (96 h; Danio rerio ;ISO 7346-1)
EC50 - Crustacea [1]	> 100 mg/l (48 h; Daphnia magna; EU Method C.2)
ErC50 algae	> 100 mg/l (72 h; Desmodesmus subspicatus; EU Method C.3)

12.2. Persistence and degradability

glycerides of saturated fatty acids	
Persistence and degradability	Readily biodegradable.
Biodegradation	69 % (28 d; (OECD 301D method); Read-across)

IMWITOR® 491

Safety Data Sheet

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12.3. Bioaccumulative potential

glycerides of saturated fatty acids	
Partition coefficient n-octanol/water (Log Pow)	6.1 (OECD 117 method)
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Do not re-use empty containers without proper cleaning or reconditioning. Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

IMWITOR® 491

Safety Data Sheet

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

SECTION 16: Other information

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

Revision date : 9/17/2024
Data sources : European Chemicals Agency, <http://echa.europa.eu/>. Information provided by the manufacturer.
Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark 3
D-64347 Griesheim

Phone: +49 6155-8981-400
Fax: +49 6155 8981-500
SDS Service: +49 6155 8981-522

Contact person : Dr. Jutta Kilschautzky

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
CAS	Chemical Abstract Service
LC50	Median lethal concentration
LD50	Median lethal dose
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor

IMWITOR® 491

Safety Data Sheet

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Abbreviations and acronyms	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
IARC	International Agency for Research on Cancer
PNEC	Predicted No-Effect Concentration
STP	Sewage treatment plant
TLM	Median Tolerance Limit

KFT SDS US 06 - Version 23.2

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.