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

1.1. Product identifier

Product form	:	Substance
Trade name	:	MIGLYOL® 829
Chemical name	:	Glycerides, mixed C8-10 and succinyl
EC-No.	:	294-620-0
CAS-No.	:	91744-56-8
REACH registration No	:	01-2119967777-14-0000

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, Industrial use, Cosmetic ingredient

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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

Email competent person
MSDS@ioioleo.de

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

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

Name	Product identifier	%
Glycerides, mixed C8-10 and succinyl	(CAS-No.) 91744-56-8 (EC-No.) 294-620-0 (REACH-no) 01-2119967777-14-0000	-

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. If symptoms persist, call a physician.

First-aid measures after skin contact : Get medical advice if skin irritation persists. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse thoroughly and plentifully with water, also under the eyelids. Consult an ophtalmologist if irritation persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth. Do not give an unconscious person anything to drink. Do NOT induce vomiting. Get medical advice/attention if you feel unwell. Call a poison center or a doctor if you feel unwell.

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 : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information : Spilled material may present a slipping hazard. 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. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel

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

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8. For further information refer to section 8: "Exposure controls/personal protection".

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. Take up liquid spill into absorbent material, e.g.: sand, saw dust. Clean using water and a detergent. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Other information : Shovel into suitable and closed container for disposal. 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 contact with eyes.

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. Protect from light. Keep cool.

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

Glycerides, mixed C8-10 and succinyl (91744-56-8)	
PNEC (Water)	
PNEC aqua (freshwater)	0.002 mg/l
PNEC aqua (marine water)	< 0.002 mg/l
PNEC aqua (intermittent, freshwater)	0.676 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	390.49 mg/kg dwt
PNEC sediment (marine water)	39.5 mg/kg dwt
PNEC (Soil)	
PNEC soil	78.1 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4.55 mg/l

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. Chemically resistant 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. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,35	No additional information available	EN ISO 374
Chemically resistant protective gloves	Butyl rubber	6 (> 480 minutes)	0,5	No additional information available	EN ISO 374

Eye protection:
Use splash goggles when eye contact due to splashing is possible. Chemical goggles. EN 166

Skin and body protection:
Wear suitable protective clothing. EN ISO 13688. EN 13034. EN 14605

Respiratory protection:
No respiratory protection needed under normal use conditions

Environmental exposure controls:
Avoid release to the environment.

Other information:
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
Colour	:	light yellow.
Odour	:	characteristic.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	< -40 °C (ca. 101 kPa; ASTM E 737-76)
Freezing point	:	No data available
Boiling point	:	> 180 °C (Thermal decomposition; ca. 101 kPa; ASTM E 737-76)
Flash point	:	241 °C (101,3 kPa; ISO 2719)
Auto-ignition temperature	:	No data available
Decomposition temperature	:	> 180 °C (ca. 101 kPa; ASTM E 737-76))
Flammability (solid, gas)	:	Not applicable Not applicable
Vapour pressure	:	< 5 Pa (20 °C)
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1.009 g/cm³ (20 °C)
Solubility	:	Water: ≈ 1 mg/l (20 °C; pH 6 - 7 ; ASTM E 1148-02)
Partition coefficient n-octanol/water (Log Pow)	:	> 10 (22°C; pH 6; (OECD 117 method))
Viscosity, kinematic	:	≈ 250 mm²/s (40 °C; ISO 3104)

Viscosity, dynamic	:	≈ 250 mPa·s (20 °C)
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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong oxidizing agent.

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)

Glycerides, mixed C8-10 and succinyl (91744-56-8)	
LD50 oral rat	> 5045 mg/kg (OECD 401 method)
LD50 dermal rat	> 5045 mg/kg (eq. (OECD 402 method))
LC50 Inhalation - Rat	≈ 1.97 mg/l (6 h; spray; Maximum concentration; eq. (OECD 403 method))

Skin corrosion/irritation	:	Not classified (Based on available data, the classification criteria are not met)
Additional information	:	(OECD 404 method) rabbit
Serious eye damage/irritation	:	Not classified (Based on available data, the classification criteria are not met)
Additional information	:	(OECD 405 method) rabbit
Respiratory or skin sensitisation	:	Not classified (Based on available data, the classification criteria are not met)
Additional information	:	(OECD 406 method) Guinea pig Read-across
Germ cell mutagenicity	:	Not classified (Based on available data, the classification criteria are not met)
Additional information	:	Ames-test: negative Read-across
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)

Glycerides, mixed C8-10 and succinyl (91744-56-8)	
Viscosity, kinematic	133.9 mm²/s (40°C; ISO 3104)

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.

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

Glycerides, mixed C8-10 and succinyl (91744-56-8)	
LC50 fish 1	> 70 mg/l (96 h; Danio rerio; (OECD 203 method))
EC50 Daphnia 1	> 10.7 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 (algae)	31.6 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))

12.2. Persistence and degradability

Glycerides, mixed C8-10 and succinyl (91744-56-8)	
Persistence and degradability	Readily biodegradable.
Biodegradation	81.7 % (28 d; (OECD 301B method))

12.3. Bioaccumulative potential

Glycerides, mixed C8-10 and succinyl (91744-56-8)	
Partition coefficient n-octanol/water (Log Pow)	> 10 (22°C; pH 6; (OECD 117 method))
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

Glycerides, mixed C8-10 and succinyl (91744-56-8)	
Partition coefficient n-octanol/water (Log Koc)	6.4 (25°C; Quantitative structure-activity relationship (QSAR))
Ecology - soil	Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

Glycerides, mixed C8-10 and succinyl (91744-56-8)
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. Do not discharge into drains or the environment. Do not dispose of with domestic waste.

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 ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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
Glycerides, mixed C8-10 and succinyl is not on the REACH Candidate List
Glycerides, mixed C8-10 and succinyl is not on the REACH Annex XIV List
MIGLYOL® 829 is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.
MIGLYOL® 829 is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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

A chemical safety assessment has been carried out
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
General revision.			
Section	**Changed item**	**Change**	**Comments**
9.1	Log Pow	Modified	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
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
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
DMEL	Derived Minimal Effect level
STP	Sewage treatment plant
TLM	Median Tolerance Limit

Data sources : Information provided by the manufacturer. Chemical Safety Report.

Department issuing data specification sheet:	:	KFT Chemieservice GmbH Im Leuschnerpark. 3 64347 Griesheim Germany Phone: +49 6155-8981-400 Fax: +49 6155 8981-500 Safety Data Sheet Service: +49 6155 8981-522
Contact person	:	Dr. Süleyman Cinar

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.