



Trade name: MCT oil vegetable

Printing date: 23. Januar 2025

Current version: 5.1 created on: 28.11.2024

Replaced version: 4.1 created on: 27.11.2023

Region: DE

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

1.1. Produktidentifikator

Trade name

MCT oil vegetable

Name of the substance

Glycerides, mixed decanoyl and octanoyl

REACH-Registration number:

01-2119492306-35

Identification numbers

CAS number 73398-61-5

EC number 277-452-2

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

Application of the substance / the mixture

Cosmetic auxiliary

Additive for cosmetic or pharmaceutical preparations

Pharmaceutical auxiliary

Coating

Uses advised against

No data available.

1.3. Details of the supplier of the safety data sheet

Supplier:

SysKem Chemie GmbH

Rosenthalstrasse 22

D-42369 Wuppertal

phone

+49 (0) 202-317559-0

Email

info@syskem.de

Email address of the competent person responsible for the safety data sheet

info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, Tel. +49 761 19240.



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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.

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

The substance is not classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Stoffe

CAS No.	Description
73398-61-5	Caprylic / capric triglyceride

INCI:
CAPRYLIC/CAPRIC TRIGLYCERIDE

Identification number(s)
EC number: 277-452-2

SVHC
The product does not contain any substances of very high concern (SVHC).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
No special measures required.

After inhalation:
Supply fresh air; consult doctor in case of complaints.

After skin contact:
Generally the product does not irritate the skin.
Wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact:
Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.



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After swallowing:

Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray.
Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protective equipment:

No special measures required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not required.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.

6.3. Methods and material for containment and cleaning up:

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

6.4. Reference to other sections

No dangerous substances are released.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

No special measures required.

Information about fire - and explosion protection:

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.
Protect from exposure to the light.

Maximum storage temperature:

35°C

Storage class (Germany):

10

7.3 Specific end use(s)

No further relevant information available.

7.3. Spezifische Endanwendungen

Keine weiteren relevanten Informationen verfügbar.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

Not required

DNEL:

Oral	DNEL	12.61 mg/kg bw/d (general population)
Dermal	DNEL	12.61 mg/kg bw/d (general population)
		25.2 mg/kg bw/d (worker)
Inhalative	DNEL	43.84 mg/m ³ (general population)
		177.8 mg/m ³ (worker)

PNEC

No toxic effects were observed up to the limit of the water solubility. Thus, no PNEC can be derived.

Additional information:

The lists valid during the making were used as basis.



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8.2. Exposure controls

Appropriate engineering controls

No further data; see item 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Not required.

Hand protection

Protective gloves

Material of gloves:

Nitrile rubber

Penetration time of glove material

Glove material: Nitrile rubber

Layer thickness: 0.10 mm

Penetration time: > 480 min (Level 6)

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Nitrile rubber (i.e. KCL 740 nitrile disposable gloves Dermatril®)

Eyeface protection

Safety glasses

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:	Liquid
Colour:	Colourless
Physical state	Liquid
Odour:	Specific type
Meltig point /Melting range	< -5 °C
Boiling point or initial boiling point and boiling range	> 300 °C
Cloud point / clarification point:	< -5 °C
Flammability	not applicable
Lower and upper explosion limit	not determined
Flash point	> 220 °C
Ignition point	not determined
Decomposition temperature	not determined
pH	Mixture is non-soluble (in water).
Viscosity:	
Kinematic Viscosity:	Not determined.
Dynamic Viscosity:	20 °C: 27 - 33 mPas
Solubility(s)	
Water solubility	< 0,001 g/l at 20 °C
Partition coefficient	
Partition coefficient n-octanol/water (log value)	8,2 - 10,9
Organic carbon in soil/water (logKOC)	No data available
Vapour pressure at 20 °C	< 0,00001 hPa



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Density and/or relative density	
Density	0,95 g/cm ³ at 20 °C
Relative density	Not determined.
Bulk density	Not relevant
Relative vapour density	Not determined
Particle properties	Not relevant (liquid)

9.2. Other information

Important information on protection of health and environment, and on safety.

Evaporation rate Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 2,000 mg/kg (rat) (79/831/EEC)
Inhalativ	LD50	read across > 1.86 ppm (rat) (OECD 403)

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Irritation of skin	Acute dermal irritation / corrosion	(rabbit) (EPA OPP 81-5) not irritating
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Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Irritation of eyes	Acute eye irritation / corrosion	(rabbit) (EPA OPP 81-4) not irritating
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Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Sensitisation	Buehler-Test	(guinea pig) (OECD 406) not sensitising (read across)
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Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Genotoxicity - AMES-Test	(Salmonella Typhimurium) (OECD 471) negative
Genotoxicity - Mammalian Cell Gene Mutation Assay	(Chinese Hamster Ovary Cells) (OECD 476) negative (read across)
Genotoxicity - Micronucleus assay	(mouse) (OECD 474) negative (read across)
Genotoxicity - Chromosome aberration assay	(Chinese Hamster Ovary Cells) (OECD 473) negative (read across)

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Oral	Developmental toxicity - NOAEL	1,000 mg/kg (rabbit) (OECD 414) read across
	Reproductive toxicity - NOAEL	> 1,000 mg/kg (rat) (OECD 422) read across

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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Additional toxicological information:

Repeated dose toxicity

Oral	NOAEL	5,000 mg/kg (rat) (OECD 408)
Dermal	NOAEL	2,000 mg/kg (rabbit)

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) not carcinogenic
not carcinogenic

11.2 Information on other hazards

Endocrine disrupting properties

Substance is not listed.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

No toxic effects were observed below the water solubility.

EC 50	> 0.45 mg/l (algea) (OECD 201)
	> 100 mg/l (daphnia) (OECD 202)
LC 0	> 53 mg/l (fish) (OECD 203)
Long term toxicity - NOEC	> 0.45 mg/l (algea) (OECD 201)
	> 0.01 mg/l (daphnia) (OECD 211)

12.2. Persistence and degradability

Easily biodegradable

Method OECD 301B

Analysing method CO 2 -Evolution

Degree of elimination: 95 %

Classification: readily biodegradable

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

The substance is not classified as PBT or vPvB.

12.6. Endocrine disrupting properties

Substance is not listed.

12.7 Other adverse effects

Additional ecological information:

General notes:

Water hazard class: Generally hazardous for water



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendation

Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1. UN number or ID number

ADR/RID, ADN, IMDG, IATA Void.

14.2. UN proper shipping name

ADR/RID, ADN, IMDG, IATA Void.

14.3. Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA Void.

14.4. Packing group

ADR/RID, ADN, IMDG, IATA Void.

14.5. Environmental hazards:

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Toxic Substances Control Act (TSCA): ACTIVE

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Substance is listed.

Inventory of Existing Chemical Substances in China (IECSC): Substance is listed.

Australian Inventory of Industrial Chemicals (AIIC): All ingredients are listed.

Existing and New Chemical Substances (ENCS, Japan): 2-669

Korean Existing Chemical Inventory (KECI): KE-17905

Canadian Domestic Substances List (DSL): All ingredients are listed.

New Zealand Inventory of Chemicals (NZIoC): Substance is listed.

Taiwan Chemical Substance Inventory (TCSI): Substance is listed.

Directive 2012/18/EU

Named dangerous substances - ANNEX I

Substance is not listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS

(Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSOR

Substance is not listed.

15.2. Chemical safety assessment

A Chemical Safety Assessment has 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.

Data sources used to create the data sheet:

The data is based on information from upstream suppliers/producers.

Full text of H- and EUH-phrases listed in section 2 and 3

Not applicable.

Department issuing the data sheet:

SysKem Chemie GmbH

Product Safety Department

Telephone number +49 (0) 0202-317559-0

Training information:

No data available.

Reasons for changes:

Section 1

Section 16

Complete revision.



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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

NOEL: No observed effect level

NOEC: No observed effect concentration

LOEC: Lowest observed effect concentration

BCF: Bio concentration factor

EC50: Effect concentration, 50 percent