SAFETY DATA SHEETS

Version: 1.0
Creation Date: November 12, 2024
Revision Date: September 05, 2025

SECTION 1: Identification

1.1 GHS Product identifier

Product name MCT - Medium Chain Triglycerides

1.2 Other means of identification

Product number -
Other names Caprylic/Capric triglyceride ; Decanoic acid, ester with 1,2,3-propanetriol octanoate; Glycerides, mixed decanoyl and octanoyl.

1.3 Recommended use of the chemical and restrictions on use

Identified uses Laboratory chemicals, Industrial & for professional use only.
Uses advised against no data available

1.4 Supplier's details

Company NUOL Green Chemistry
Address Heron Road, 17936 – Little Falls/MS - USA
Telephone -----

1.5 Emergency phone number

Emergency phone number -------
Service hours Monday to Friday, 9am-5pm (Standard time zone: CST / UTC-6).

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.3 Other hazards which do not result in classification

Not aplicable

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentration	Chemical Formula
MCT – Medium Chain Triglycerides	Caprylic/capric Triglyceride	73398-61-5	277-452-2	100%	C27H50O6 to C33H62O6

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical. Consult a doctor.

Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Following eye contact

Rinse with pure water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately make victim drink water (two glasses at most). Call a doctor or Poison Control Center immediately.

4.2 Most important symptoms/effects, acute and delayed

no data available

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Foam Carbon dioxide (CO2) Dry powder.

5.2 Specific hazards arising from the chemical
No data available

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved people should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions
Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Collect and arrange disposal. Cover drains. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Soak up with inert absorbent material and dispose of as hazardous waste. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Clean up affected area.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Handling in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibility
Do not contaminate water, food, or feed by storage. Keep container tightly sealed when not in use. Store only in original container in a dry place inaccessible to children and pets.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Biological limit values

no data available

8.2 Appropriate engineering controls
Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area. Also install safety shower and eye bath. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

No special protective equipment required.

Skin protection

No special protective equipment required.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

Do not let product enter drains

SECTION 9: Physical and chemical properties

Physical state (20oC)	Liquid
Form	Clear

Colour	Colorless to Yellow
Odour	no data available
Melting point/freezing point	-5 °C / 23 °F
Boiling point or initial boiling point and boiling range	150 °C / 302 °F
Flammability	no data available
Lower and upper explosion limit/flammability limit	no data available
Flash point	260 °C / 500 °F
Auto-ignition temperature	no data available
Decomposition temperature	no data available
pH	no data available
Kinematic viscosity	no data available
Solubility	Insoluble in water / Soluble in Oils
Partition coefficient n-octanol/water	no data available
Vapour pressure	no data available
Density and/or relative density	0.95
Relative vapour density	no data available
Particle characteristics	no data available

SECTION 10: Stability and reactivity

10.1 Reactivity
no data available

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions
None under normal processing.

10.4 Conditions to avoid
None known based on information supplied.

10.5 Incompatible materials
None known based on information supplied.

10.6 Hazardous decomposition products
None known based on information supplied.

SECTION 11: Toxicological information

Acute toxicity

- Oral: LD50 > 5000 mg/kg (Rat)
- Inhalation: no data available
- Dermal: no data available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

SECTION 12: Ecological information

12.1 Toxicity
Ecotoxicity EC50: > 2.2 mg/l (24h, Daphnia magna)

12.2 Persistence and degradability
no data available

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Other adverse effects
no data available

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 13: Disposal considerations

13.1 Disposal methods

Product

Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials. Observe all federal, state and local regulations when disposing of the substance.

SECTION 14: Transport information

14.1 UN Number
ADR/RID: no data available IMDG: no data available IATA: no data available

14.2 UN Proper Shipping Name
ADR/RID: not dangerous goods IMDG: not dangerous goods IATA: not dangerous goods

14.3 Transport hazard class(es)
ADR/RID: no data available IMDG: no data available IATA: no data available

14.4 Packing group, if applicable
ADR/RID: no data available IMDG: no data available IATA: no data available

14.5 Environmental hazards
ADR/RID: No IMDG: No IATA: No

14.6 Special precautions for user
no data available

14.7 Transport in bulk according to IMO instruments
no data available

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number	Chemical Formula
MCT – Medium Chain Triglycerides	Caprylic/capric Triglyceride	73398-61-5	277-452-2	C27H50O6 to C33H62O6
United States Toxic Substances Control Act (TSCA) Inventory			Listed	

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR122.21and40CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information
EPA Pesticide Registration Number: Not applicable

SECTION 16: Other information

Information on revision

Creation Date	November 12, 2024
Revision Date	September 05, 2025

Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

References

- IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home
- HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm
- IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/
- eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
- CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple
- ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp
- ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg
- Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp
- ECHA - European Chemicals Agency, website: https://echa.europa.eu/