

SAFETY DATA SHEET

MCT-MEDIUM CHAIN TRIGLYCERIDE

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: MCT-Medium Chain Triglyceride
INCI Name: Caprylic Capric Triglyceride
CAS Number: 73398-61-5
Recommended Use: Coating, Food additives
Company: Kraft Chemical Company
Melrose Park, IL 60160
Phone: 708-345-5200
Fax: 708-345-4005

Emergency Phone Number

Emergency: Chemtrec: 800-424-9300

2. HAZARD IDENTIFICATION

Classification and labeling according to the Globally Harmonized System (GHS)

The substance is not classified according to this regulation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name : Caprylic Capric Triglyceride
CAS number : 73398-61-5
EC number : 277-452-2

4. FIRST AID MEASURES

General information : No special measures required
After eye contact : Rinse opened eyes for several minutes under running water. If symptom persists consult the doctor
After skin contact : Generally the product does not irritate the skin. If skin irritation continues, consult a doctor
After inhalation : Supply fresh air, consult doctor in case of complaints
After swallowing : If symptom persists consult the doctor



5. FIRE FIGHTING MEASURES

- Suitable extinguishing agents : Small fire
- Use fire extinguishing methods suitable to surrounding conditions CO₂, powder or water spray
- Large fire
- Use water spray or alcohol resistant foam
- Unsuitable extinguishing agents : Water with full jet
- Protective equipment : No special measures required

6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precaution : Not required
- Measures for environmental protection : No special measures required
- Measures for cleaning/collecting : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

7. HANDLING AND STORAGE

- Handling
- Safe handling : No special measures required
- Fire and explosion protection : No special measures required
- Storage
- Store room and receptacles : Keep receptacle tightly sealed
Protect from exposure to the light
- Information about storage in one common facility : Not required
- Maximum temperature : 86 °F

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

DNELs

Oral	DNEL	26.6 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)



General protective and hygienic measures:

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

Respiratory protection : Not required

Eye protection : Safety glasses

Skin protection : Protective gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid

Color : Colorless

Odor : Characteristic

Change in condition

Melting point, °C : <-5

Boiling point, °C : >300

Flash point, °C : >220

Vapor pressure at 20 °C, hPa : <0.00001

Density at 20 °C, g/cm³ : 0.95

Solubility in / miscibility with water at 20 °C : <0.001 g/l

Viscosity, dynamic, at 20 °C, mPa.s : 27 - 33

Danger of explosion : Product does not present an explosion hazard

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : No dangerous reaction known

Conditions to be avoided : No decomposition if used according to specifications

Materials to be avoided : No further relevant information available

Hazardous decomposition products : No dangerous decomposition product known



11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values relevant for classification		
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
Inhalative	LD50	> 1.86 ppm (rat)

Primary irritant effects

On the skin : No irritant effects

On the eye : No irritant effects

Sensitization : No sensitizing effect known

12. ECOLOGICAL INFORMATION

Aquatic toxicity:

No toxic effects were observed below the water solubility

EC50	> 0.45 mg/l (algea) (OECD 201) > 100 mg/l (daphnia) (OECD 202)
LC0	> 53 mg/l (fish) (OECD 203)
NOEC (long term)	> 0.45 mg/l (algea) (OECD 201) > 0.01 mg/l (daphnia) (OECD 211)

Persistence and degradability : Easily biodegradable

Method : OECD 301B

Degree of elimination : 95%

Classification : Readily biodegradable

General notes : Generally not hazardous for water

13. DISPOSAL CONSIDERATIONS

Product

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

14. TRANSPORT INFORMATION

General information : Not hazardous according to RID/ADR, IMDG, ICAO/IATA

15. REGULATORY INFORMATION

Inventory list : Listed on:

- Toxic Substances Control Act (TSCA) (US)
- Philippines Inventory of Chemicals and Chemical Substances (PICCS)
- Inventory of Existing Chemical Substances in China (IECSC)
- Australian Inventory of Chemical Substances (AICS)
- Existing and New Chemical Substances (ENCS) (Japan)
- Korean Existing Chemical Inventory (KECI)
- Canadian Domestic Substances List (DSL)
- New Zealand Inventory of Chemicals (NZIC)

Labeling according to the GHS : The substance is not subject to classification according to this regulation

16. OTHER INFORMATION

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