

SAFETY DATA SHEET

according to Regulation (EC) No.
1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAK

Product identifier
Trade name of the substance CE-1875A (EU) Nederlands
Identification Number 67762-38-3
Registration number -
Synonyms Fatty acids, C16-18 and C18-unsatd., Me esters
Product code 99636743
Date of first issue 29-November-2010
Version number 03
Revision date 10-December-2010
Supersedes date 29-November-2010
Relevant identified uses of the substance or mixture and uses advised against
Identified uses Not available.
Uses advised against None known.

Details of the supplier of the safety data sheet

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SDS number ME546

Reference number Not available.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

The full text for all R-phrases is displayed in section 16

Classification according to Regulation (EC) No 1272/2008 as amended

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended

Hazard summary

Physical hazards

Not classified for physical hazards.

Health hazards

Not classified for health hazards.

Environmental hazards Not classified for hazards to the environment.
 Specific hazards Not available.
 Main symptoms Eyes. May cause minor irritation on eye contact.
 Skin. Mild skin irritation.
 Inhalation. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
 Ingestion. May cause irritation of the gastrointestinal tract.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: FATTY ACIDS, C16-18 AND C18-UNSATD., METHYL ESTERS
 Identification Number 67762-38-3
 Hazard statements The substance does not meet the criteria for classification.

Precautionary statements

Prevention Not available.
 Response Not available.
 Storage Not available.
 Disposal Not available.

Supplemental label information Not available.

Other hazards Not assigned.

Emergency overview CAUTION! Combustible liquid and vapor.

Causes skin and eye irritation
 May be ignited by heat, sparks or flames. Containers may explode when heated. vapours may travel to a source of ignition and flash back.
 When heated, the vapours/fumes given off may cause respiratory tract irritation. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
FATTY ACIDS, C16-18 AND C18-UNSATD., METHYL ESTERS	100	67762-38-3 267-015-4	-	-	
Classification:	DSD: -	CLP: -			

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
 Skin contact Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.
 Eye contact Flush thoroughly with water for at least 15 minutes. Get medical assistance.
 Ingestion Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately. If swallowed, do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed	Not
Indication of any immediate medical attention and special treatment needed	available.
	Not
	available.

SECTION 5: FIREFIGHTING MEASURES

General fire hazards	Not available.
Extinguishing media	
Suitable extinguishing media	Water fog. Small Fires: Carbon dioxide (CO ₂). Dry chemicals. Large Fires: Foam.
Unsuitable extinguishing media	Water. Water may be ineffective. Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture	vapours may travel to a source of ignition and flash back. Will decompose at temperatures exceeding 177°C. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
Advice for firefighters	
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective clothing.
Special firefighting procedures	Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear suitable protective clothing. Wear appropriate personal protective equipment. If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.
For emergency responders	Not available.
Environmental precautions	Keep run-off water out of sewers and water sources. Dike for water control. Dike the spilled material, where this is possible. Avoid discharge into drains, water courses or onto the ground.
Methods and material for containment and cleaning up	Extinguish all flames in the vicinity. Eliminate sources of ignition. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13. Ventilate the area.
Reference to other sections	Not available.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Use spark-proof tools and explosion-proof equipment. Ground and bond containers when transferring material. Avoid contact with skin and eyes. Avoid contact with clothing. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices. "Empty" containers retain product residue (liquid or vapour) and can be dangerous. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid heat, sparks, open flames and other ignition sources. Keep away from heat and sources of ignition. including any incompatibilities
Conditions for safe storage,	

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minium. Stainless steel. Keep away from heat, sparks, and flame. Store in a closed container away from incompatible materials. Store in a cool, dry place.

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Specific end use(s) Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits	No exposure limits noted for the ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Not available.
DNEL	Not available.
PNEC	Not available.
Exposure controls	
Appropriate engineering controls	Local exhaust is recommended. Mechanical ventilation may be required.
Individual protection measures, such as personal protective equipment	
General information	Observe good industrial hygiene practices. Avoid contact with eyes. Avoid contact with skin. Avoid breathing dust or vapour from heated material.
	Boots. Apron. Eye wash fountain and emergency showers are recommended. Wear suitable protective clothing.
Eye/face protection	Goggles/face shield are recommended.
Skin protection	
- Hand protection	Not normally needed.
- Other	Nitrile gloves are recommended. The use of neoprene gloves is recommended. Wear full protective clothing for prolonged exposure and/or high concentrations.
Respiratory protection appropriate	If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, NIOSH/MSHA respiratory protection must be provided.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices.
Environmental exposure controls	Additional information is available by request.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid.
Physical state	Liquid.
Form	Liquid.
Colour	Water. White.: Yellow.
Odour	Musty.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	6,29 °C (42,8 °F) @ 1 atm
Boiling point, initial boiling point, and boiling range	354,3 °C (669,2 °F) @ 1 atm
Flash point	172 - 174 °C (341,6 - 345,2 °F) Closed cup @ 992 bar
Auto-ignition temperature	256 - 266 °C (492,8 - 510,8 °F)
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not
Flammability limit - upper (%)	available.
	Not
	available.

Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	4,2 mbar @ 25 C
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Relative density	0,8881 g/cm ³ @ 20
C Solubility	< 0,023 mg/l

Partition coefficient (n-octanol/water)	6,2 @ 25 C
Decomposition temperature	Not available.
Bulk density	Not applicable.
Pour point	Not applicable.
Viscosity	6,1 mPa·s @ 20
C VOC (Weight %)	Not available.
Percent volatile	Not available.
Other information	No relevant additional information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Oxidizing agents. Strong bases.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Strong bases.
Incompatible materials	Not available.
Hazardous decomposition products	Will decompose at temperatures exceeding 177°C. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
Materials to avoid	Oxidizing agents. Strong bases.

SECTION 11: TOXICOLOGICAL INFORMATION

General information Not available.

Information on likely routes of exposure

Ingestion	Not available.
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.

Symptoms Not available.

Information on toxicological effects

Acute toxicity Not available.

Product

Test results

FATTY ACIDS, C16-18 AND C18-UNSATD., METHYL ESTERS (67762-38-3)

Acute Dermal LD50 Rabbit: > 2000 mg/kg

Acute Oral LD50 Rat: > 5000 mg/kg

Skin corrosion/irritation Not available.

Serious eye damage/eye irritation Not available.

Respiratory sensitisation Not available. Skin sensitisation

Germ cell mutagenicity Not available.

Carcinogenicity Not available.

Reproductive toxicity Not available.

Not available.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure available.

Not available.

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Aspiration hazard	Not available.
Mixture versus substance information	Not available.
Other information	Additional information is available by request.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product

FATTY ACIDS, C16-18 AND C18-UNSATD., METHYL ESTERS (67762-38-3)

Test results

EC50 Green algae (*Pseudokirchneriella subcapitata*): 73729 mg/l 72.00 hours OECD 201
EC50 Water flea (*Daphnia magna*): 2504 mg/l 48.00 hours OECD 202
EC50 Zebra danio (*Danio rerio*): 48.00 hours OECD 203
LR50 Zebra danio (*Danio rerio*): > 0,26 mg/l 96.00 hours OECD 203

Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility	Not available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not available.
Other adverse effects	Not available.
Persistence and degradability	Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Residual waste	Not available.
Contaminated packaging disposal.	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	Not available.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Do not discharge into drains, water courses or onto the ground.

SECTION 14: TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

SECTION 15: REGULATORY INFORMATION

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

EU Regulations

- Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I
Not listed.
- Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II
Not listed.
- Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V
Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not listed.

Regulation (EC) No. 1907/2006, Article 59(1). Candidate List

Not listed.

Other regulations This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations Not available.

Chemical safety assessment No Chemical Safety Assessment has been carried out.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China	Yes
(IECSC) Europe	European Inventory of Existing Commercial Chemical Substances	Yes
	(EINECS)	Yes
Europe	European List of Notified Chemical Substances	No
(ELINCS) Japan	Inventory of Existing and New Chemical Substances	Yes
(ENCS) Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Switzerland	Switzerland FOPH	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

SECTION 16: OTHER INFORMATION

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15 available.

Not

available.

Revision information Product and Company Identification: Product and Company Identification
Regulatory Information: Hazard Symbol - Labeling

Training information Not available.

Disclaimer The submission of the MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices

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