

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

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

Product identifier
Trade name of the substance CE-1618 (EU) Nederlands
Identification number 67762-38-3
Registration number 01-2119471664-32-0000, 01-2119471664-32-0125
Product registration number Not available.
Synonyms Fatty acids, C16-18 and C18-unsatd., Me esters
SDS number ME514
Product Code 99509382
Date of first issue 11-29-2010
Version number 03
Revision date 11-11-2011
Supersedes date 12-10-2010

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

Identified uses Fuel and fuel additives.
Uses advised against None known.

Details of the supplier of the safety data sheet

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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. Not classified.

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
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Not available.
Main symptoms	Not available.

Label elements

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

Contains:	FATTY ACIDS, C16-18 & C18-UNSATD., ME 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 applicable.

Other hazards Not assigned.

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 & C18-UNSATD., ME ESTERS	100	67762-38-3 267-015-4	01-2119471664-32-0000 01-2119471664-32-0125	-	

Classification: DSD: -
CLP: -

Section 4: First aid measures

Description of first aid measures

Inhalation	Remove from area of exposure. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact	Wash the skin immediately with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes.
Ingestion	Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention immediately. Do not induce vomiting. Have victim rinse mouth thoroughly with water. Give several glasses of water.

Most important symptoms and effects, both acute and delayed Not available.

Indication of any immediate medical attention and special treatment needed Not available.

Section 5: Firefighting measures

General fire hazards Not available.

Extinguishing media

Suitable extinguishing media	Foam. Dry chemicals. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Water spray may be ineffective on fire.

Special hazards arising from the substance or mixture Combustion causes toxic fumes: Carbon monoxide and carbon dioxide.

Advice for firefighters Special protective equipment for firefighters Wear self-contained breathing apparatus and protective clothing.

Special firefighting procedures 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 Not available.

For emergency responders Wear appropriate protective equipment and clothing during clean-up. If vapour or fog is generated use an appropriate NIOSH/MSHA approved respirator.

Environmental precautions Keep run-off water out of sewers and water sources. Dike for water control. Dike flow of spilled material using soil or sandbags.

Methods and material for containment and cleaning up Ventilate the area. Eliminate sources of ignition. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Reference to other sections Not available.

Section 7: Handling and storage

Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with clothing. Wash thoroughly after handling. Since emptied containers retain product residue, follow label warnings even after container is emptied. Keep away from heat and sources of ignition.

Conditions for safe storage, including any incompatibilities Carbon steel. Aluminum. Stainless steel. Fiberglass. Keep away from heat, sparks, and flame. Store in a closed container away from incompatible materials. Store in a cool and well-ventilated place. In accordance with NFPA 30.

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 vapor 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 If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.

Thermal hazards Not available.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

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	Oily.
Color	Green: Yellow.
Odor	Mild.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	42,8 °F (6,29 °C) @ 1 atm
Boiling point, initial boiling point, and boiling range	669,2 °F (354,3 °C) @ 1 atm
Flash point	30,2 °F (-1 °C)
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidizing properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapor pressure	3,6 mbar @ 20C 4,2 mbar @ 25 C 420 Pa @ 20C Vapor
density	Not applicable.
Evaporation rate	Not applicable.
Relative density	0,8881 g/cm ³ @ 20 C
Solubility (water)	< 0,023 mg/l
Partition coefficient (n-octanol/water)	6,2 @ 25 C (Log Kow)
Decomposition temperature	Not available.
Viscosity	6,1 mPa-s @ 20 C
Percent volatile	Not available.
Other data	
Relative self-ignition temperature	23 °F (-5 °C)
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 polymerization 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 vapors.
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 & C18-UNSATD., ME 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 sensitization Not available.

Skin sensitization Not available.

Germ cell mutagenicity Not available.

Carcinogenicity Not available.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

Aspiration hazard Not available.

Mixture versus substance information Not available.

Other information Additional information is available by request.

Section 12: Ecological information

Toxicity

Product

Test Results

FATTY ACIDS, C16-18 & C18-UNSATD., ME ESTERS (67762-38-3)

EC50 Green algae (*Pseudokirchneriella subcapitata*): 73729 mg/l 72 hours OECD 201

EC50 Water flea (*Daphnia magna*): 2504 mg/l 48 hours OECD 202

EC50 Zebra danio (*Danio rerio*): 48 hours OECD 203

LR50 Zebra danio (*Danio rerio*): > 0,26 mg/l 96 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 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 No information available.

Annex II of MARPOL 73/78 and
the IBC Code

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.

Commission Decision 2000/479/EC on the implementation of a European pollutant emission register (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

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
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 available.
Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	None.
Revision information	This document has undergone significant changes and should be reviewed in its entirety.
Training information	Not available.
Disclaimer	<p>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 and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.</p> <p>The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material of any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the controlled product.</p>
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