

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 or designation of the mixture	CE-1618BL (EU) Nederlands
Registration number	01-2119471664-32-0125, 01-2119487985-14-0002
Product registration number	Not available.
Synonyms	Fatty acids, C16-18 and C18-unsatd., Me esters
SDS number	ME556
Product Code	99509382
Date of first issue	11-29-2010
Version number	03
Revision date	10-05-2011
Supersedes date	12-10-2010

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

Identified uses	Production of amides, methyl ester sulfonates, rolling oils, low-volume solvents, and metal working fluids.
Uses advised against	None known.

Details of the supplier of the safety data sheet

Legal Entity	Procter & Gamble Nederland B.V. Watermanweg 100 3067 GG Rotterdam Netherlands Telephone Number: +322-456-4150 reachpgc.im@pg.com
Supplier Name	Procter & Gamble International Operations SA P&G Chemicals - Europe 47, Route de Saint-Georges 1213 Petit-Lancy1, Switzerland Telephone Number: +(41) 22 58 004 6485 PGChemMSDS.IM@pg.com CHEMTREC: +1-703-527-3887 Quality or Service Issues: 1-800-477-8899 or +1-513-626-6882 Emergency Telephone Number: +(41) 22 58 004 8213 (day phone)

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
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, HEXADECANOIC ACID, METHYL ESTER

Hazard statements The mixture 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.

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. Vapors may travel to a source of ignition and flash back.

When heated, the vapors/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

Mixture

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
FATTY ACIDS, C16-18 AND C18-UNSATD., METHYL ESTERS	90	67762-38-3 267-015-4	01-2119471664-32-0125	-	
Classification:	DSD: -				
	CLP: -				
HEXADECANOIC ACID, METHYL ESTER	10	112-39-0 203-966-3	01-2119487985-14-0002	-	
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 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	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	Vapors 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 vapors.
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 of the MSDS. 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 practice. "Empty" containers retain product residue (liquid or vapor) 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.
Conditions for safe storage, including any incompatibilities	Carbon steel. Aluminum. Stainless steel. Keep away from heat, sparks, and flame. Store in a closed container away from incompatible materials. Store in a cool, dry place.
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	Liquid.
Color	Water. White.: Yellow.
Odor	Musty.
Odor threshold	Not available.
pH	Not applicable.

Boiling point, initial boiling point, and boiling range	>= 400 °F (>= 204,4 °C) @ 760 mm Hg (101,3kPa)
Flash point	425 °F (218,3 °C) Pensky-Martens Closed Cup
Auto-ignition temperature	492,8 °F (256 °C) estimated
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	<= 5 mm Hg @ 72 F (22 C)
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Relative density	0,86 @ 25/25 C
Solubility (water)	Negligible @ 72 F (22 C)
Viscosity	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 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
CE-1618BL (EU) Nederlands (Mixture)	Subchronic Oral NOAEL Rat: 111,1111 mg/kg estimated
Components	Test Results
HEXADECANOIC ACID, METHYL ESTER (112-39-0)	Acute Inhalation LC50 Rat: > 5 mg/l OECD 436 (Literature value) Acute Oral LD50 Rat: 2000 mg/kg OECD 401 (Literature value)
FATTY ACIDS, C16-18 AND C18-UNSATD., METHYL ESTERS (67762-38-3)	Acute Dermal LD50 Rabbit: > 2000 mg/kg bw, EPA OPPTS 870.1200, RA, Literature value

Components	Test Results
	Acute Inhalation LC50 Rat: > 5 mg/l 4 hours air, EPA OPPTS 870.1200, RA, Literature value
	Acute Oral LD50 Rat: > 5000 mg/kg OECD 401, Literature value
	Subchronic Oral NOAEL Rat: 100 mg/kg bw/day, Repeat dose, OECD 422, Literature value
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

Components	Test Results
HEXADECANOIC ACID, METHYL ESTER (112-39-0)	EC50 Water flea (Daphnia magna): > 0,02 mg/l 48 hours EL50 Water flea (Daphnia magna): > 100 mg/l 48 hours LC50 Zebra danio (Danio rerio): 550 mg/l 96 hours
FATTY ACIDS, C16-18 AND C18-UNSATD., METHYL 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 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.

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
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

Country(s) or region	Inventory name	On inventory (yes/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	Transport Information: Hazreg Values Transportation
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>
Issue date	10-05-2011
Revision date	10-05-2011
Print date	10-05-2011