

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 C-810LK (EU)

Identification number 68937-75-7

Registration number -

Synonyms Fatty acids, C8-10

SDS number LC143

Product Code 99506341

Date of first issue 11-24-2010

Version number 02

Revision date 05-19-2011

Supersedes date 11-24-2010

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

Identified uses Production of cutting oils, specialty soaps, and chain terminators.

Uses advised against None known.

Details of the supplier of the safety data sheet

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

Classification C;R34

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

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

Health hazards

Skin corrosion/irritation	Category 1B	Causes severe skin burns and eye damage.
---------------------------	-------------	--


Serious eye damage/eye irritation	Category 1	Causes serious eye damage.
-----------------------------------	------------	----------------------------

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards Causes burns.

Environmental hazards Not classified for hazards to the environment.

Specific hazards	Not available.
Main symptoms	<p>May cause irritation of respiratory tract.</p> <p>Eyes. Splashes may cause serious eye damage. Vapors may also produce eye irritation.</p> <p>Skin. Contact with concentrated chemical may cause severe skin damage. Vapors may also produce skin irritation.</p> <p>Inhalation. Vapors may irritate throat and respiratory system and cause coughing.</p> <p>Ingestion. May cause burns in mucous membranes, throat, esophagus and stomach.</p>
Label elements	
Label according to Regulation (EC) No. 1272/2008 as amended	
Contains:	FATTY ACIDS, C8-10
Identification number	68937-75-7
	
Signal word	Danger
Hazard statements	Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary statements	
Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep only in the original container. Do not subject to grinding/shock/friction. Ground/bond container and receiving equipment. Do not breathe mist or vapor. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.
Response	Explosion risk in case of fire. In case of fire: Evacuate area. DO NOT fight fire when fire reaches explosives. Absorb spillage to prevent material damage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Take off immediately all contaminated clothing. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
Storage	Store locked up. Store in corrosive resistant container with a resistant inliner. Store in accordance with local/regional/national/international regulation.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	Not applicable.
Other hazards	Not assigned.
Emergency overview	<p>Causes severe skin burns and eye damage. DANGER -- CORROSIVE</p> <p>Contact with concentrated chemical may cause severe skin damage.</p> <p>Avoid vapors from heated materials to prevent exposure to potentially toxic/irritating fumes.</p>

Section 3: Composition/information on ingredients

Substance

General information		%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Chemical name						
FATTY ACIDS, C8-10		100	68937-75-7 204-677-5	-	-	
Classification:		DSD: C;R34				
		CLP: Skin Corr. 1B;H314, Eye Dam. 1;H318				

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Composition comments The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen.
Skin contact	Take off immediately all contaminated clothing. Call a physician or poison control center immediately. For minor skin contact, avoid spreading material on unaffected skin. Destroy contaminated clothing and shoes. Get medical attention if symptoms occur. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash clothing separately before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth. Do not induce vomiting. DO NOT induce vomiting. Get medical attention immediately. Immediately give a couple of glasses of water or milk, provided the victim is fully conscious.

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

Indication of any immediate medical attention and special treatment needed In case of shortness of breath, give oxygen. Keep victim warm.

Section 5: Firefighting measures

General fire hazards Not available.

Extinguishing media

Suitable extinguishing media Water fog. Small fires: Carbon dioxide (CO₂). Dry chemical.

Large Fires: Foam.

Unsuitable extinguishing media Water. Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture 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 Not available.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist. Wear suitable protective clothing, gloves and eye/face protection.

For emergency responders

Not available.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

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. Absorb in vermiculite, dry sand or earth and place into containers. 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. Soak up with inert absorbent material. Put material in suitable, covered, labeled containers. Flush area with water to remove trace residue. Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

or

Neutralize with alkaline material (Lime, crushed limestone, sodium bicarbonate or soda ash). Flush area with water. Flush area with plenty of water. Small quantities may be flushed to drains with plenty of water. Flush area with flooding quantities of water.

Reference to other sections

Not available.

Section 7: Handling and storage

Precautions for safe handling

Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Avoid prolonged exposure. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

Avoid heat, sparks, open flames and other ignition sources.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep container tightly closed. Keep out of the reach of children. Store in a closed container away from incompatible materials.

Do not store near acids. Suitable containers: mild steel, stainless steel.

Store in closed original container in a dry place.

Avoid elevated temperatures for prolonged periods of time.

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

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Local exhaust is recommended.

Mechanical ventilation may be required.

Individual protection measures, such as personal protective equipment

General information	Wear chemical protective equipment that is specifically recommended by the manufacturer. Observe good industrial hygiene practices. 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	Wear eye/face protection. Goggles/face shield are recommended.
Skin protection	
- Hand protection	Wear protective gloves.
- Other	Wear appropriate chemical resistant clothing. Wear protective gloves. It may provide little or no thermal protection. Rubber or plastic gloves. Wear full protective clothing for prolonged exposure and/or high concentrations.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.
Thermal hazards	Not available.
Hygiene measures	When using, do not eat, drink or smoke. Do not get in eyes. Do not get this material in contact with skin. Do not get this material on clothing. 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

Physical state	Liquid.
Form	Liquid.
Color	Water. White, Light yellow.
Odor	Musty, Rancid.
Odor threshold	Not available.
pH	Not applicable.
Boiling point, initial boiling point, and boiling range	> 450 °F (> 232,2 °C) @ 760 mm Hg (101,3kPa)
Flash point	276 °F (135,6 °C) Pensky-Martens Closed Cup
Auto-ignition temperature	Not applicable.
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	<= 1 mm Hg @ 72 F (22 C)
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Relative density	0,9 @ 22/22 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	Strong oxidizing agents.
-------------------	--------------------------

Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	None known. Avoid temperatures exceeding the flash point.
Incompatible materials	Not available.
Hazardous decomposition products	Will decompose at temperatures exceeding 200°C. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Materials to avoid	Strong oxidizing agents.

Section 11: Toxicological information

General information	Not available.
Information on likely routes of exposure	
Ingestion	Causes digestive tract burns.
Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes severe skin burns.
Eye contact	Causes severe eye burns.
Symptoms	Not available.
Information on toxicological effects	
Acute toxicity	Causes severe skin burns and eye damage.

Product	Test Results
FATTY ACIDS, C8-10 (68937-75-7)	Acute Dermal LD50 Rabbit: >= 5 g/kg Acute Oral LD50 Rat: >= 10 g/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes severe eye burns.
Respiratory sensitization	Not available.
Skin sensitization	Causes skin irritation.
Germ cell mutagenicity	Not available.
Carcinogenicity	Not classified.
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	Not available.

Section 12: Ecological information

Toxicity

Product	Test Results
FATTY ACIDS, C8-10 (68937-75-7)	EC50 Green algae (Nitzschia closterium): 144 mg/l 72.00 hours EC50 Water flea (Daphnia magna): 550 mg/l 24.00 hours LC0 Red killifish (Oryzias latipes): 57 mg/l 96.00 hours in freshwater LC50 Bluegill (Lepomis macrochirus): 39,9 mg/l 96.00 hours LC50 Ide, silver or golden orfe (Leuciscus idus): 173 mg/l 48.00 hours

Product**Test Results**

LC50 Red killifish (*Oryzias latipes*): 105 mg/l 96.00 hours in seawater

* Estimates for product may be based on additional component data not shown.

Persistence and degradability	No data is available on the degradability of this product.
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	No data is available on the degradability of this product.
Persistence / degradability	No data is available on the degradability of this product.

Section 13: Disposal considerations**Waste treatment methods**

Residual waste	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of in accordance with local regulations.

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**

UN number	UN3265
UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s (Octanoic acid)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Environmental hazards	No
Special precautions for user	Not available.

RID

UN number	UN3265
UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s. (Octanoic acid)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Environmental hazards	No
Special precautions for user	Not available.

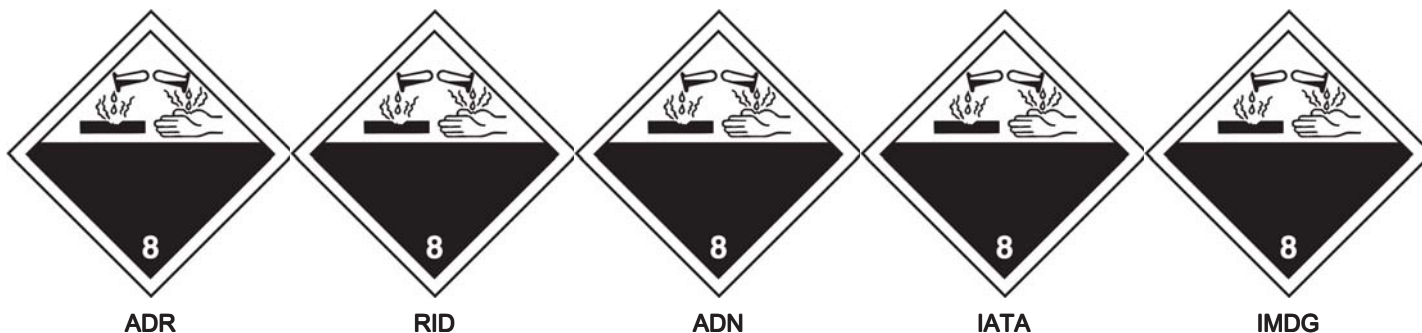
ADN

UN number	UN3265
UN proper shipping name	Corrosive Liquid, Organic, N.o.s. (Octanoic acid)
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Environmental hazards	No

Labels required 8
 Special precautions for user Not available.
 IATA
 UN number UN3265
 UN proper shipping name Corrosive liquid, acidic, organic, n.o.c. (Octanoic acid)
 Transport hazard class(es) 8
 Subsidiary class(es) -
 Packing group III
 Environmental hazards No
 Special precautions for user Not available.

IMDG

UN number UN3265
 UN proper shipping name Corrosive liquid, acidic, organic, n.o.s. (Octanoic acid)
 Transport hazard class(es) 8
 Subsidiary class(es) -
 Packing group III
 Marine pollutant No
 Special precautions for user Not available.



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. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

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
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
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 Acute Toxicity and Irritation Studies on a Series of Fatty Acids. J. Am. Oil Chem. Soc., 56(1979), p.760A.

BIBRA toxicity profile (1988) n-Octanoic acid.

BIBRA toxicity profile (1996) n-Decanoic acid.

Sax's Dangerous Properties of Industrial Materials, 9th Ed. Richard J. Lewis.

K. Verschueren. Handbook of Environmental Data on Organic Chemicals, 3rd Ed. 1998.

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 R34 Causes burns.

H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.

Revision information Section 2: Hazards identification: GHS Hazard Statements

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 and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

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. The information in the sheet was written based on the best knowledge and experience currently available.

Issue date 05-19-2011

Revision date 05-19-2011

Print date 05-19-2011