

## SAFETY DATA SHEET

### 1. Identification

GHS product identifier	CE-810
MSDS Number	ME550
Product Code	99281148
Version #	06
Issue date	10-07-2011
CAS #	67762-39-4
Product use	Production of amides, methyl ester sulfonates, rolling oils, low-volume solvents, and metal working fluids.
Recommended Restrictions	Not available.
Synonym(s)	METHYL OCTANOATE * METHYL DECANOATE
Manufacturer	P&G Chemicals Asia 238-A Thompson Road #21-01/10 Novena Square Tower A Singapore 307684 (65) 6824 5728 (day phone) PGChemMSDS.IM@pg.com CHEMTREC: +1-703-527-3887 Quality or Service Issues: 1-800-477-8899 or +1-513-626-6882

### 2. Hazards identification

GHS classification		
Physical hazards	Explosives	Classification not possible
	Flammable gases	Not applicable
	Flammable aerosols	Not applicable
	Oxidizing gases	Not applicable
	Gases under pressure	Not applicable
	Flammable liquids	Not classified
	Flammable solids	Not applicable
	Self-reactive substances and mixtures	Classification not possible
	Pyrophoric liquids	Classification not possible
	Pyrophoric solids	Not applicable
	Self-heating substances and mixtures	Classification not possible
	Substances and mixtures which, in contact with water, emit flammable gases	Classification not possible
	Oxidizing liquids	Classification not possible
	Oxidizing solids	Not applicable
	Organic peroxides	Classification not possible
	Corrosive to metals	Classification not possible
	Health hazards	Acute toxicity, oral
Acute toxicity, dermal		Classification not possible
Acute toxicity, inhalation		Not applicable
Skin corrosion/irritation		Classification not possible
Serious eye damage/eye irritation		Classification not possible
	Sensitization, respiratory	Classification not possible

	Sensitization, skin	Classification not possible
	Germ cell mutagenicity	Classification not possible
	Carcinogenicity	Classification not possible
	Reproductive toxicity	Classification not possible
	Specific target organ toxicity, single exposure	Classification not possible
	Specific target organ toxicity, repeated exposure	Classification not possible
	Aspiration hazard	Classification not possible
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Classification not possible
	Hazardous to the aquatic environment, long-term hazard	Classification not possible
	Hazardous to the ozone layer	Not classified

### 3. Composition/information on ingredients

Components	CAS #	Percent
FATTY ACIDS, C6-12, METHYL ESTERS	67762-39-4	100

### 4. First aid measures

#### First aid procedures

Inhalation	Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Skin	Wash the skin immediately with soap and water. Remove contaminated clothing. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.
Eye	Flush thoroughly with water for at least 15 minutes. Get medical assistance.
Ingestion	Get medical attention immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions. Induce vomiting only under the instruction of a physician.

Notes to physician Not available.

### 5. Fire-fighting measures

#### Suitable extinguishing media

SMALL FIRES: Use CO<sub>2</sub> or dry chemical. Water fog.  
LARGE FIRES: Use foam.

Cool containers with flooding quantities of water until well after fire is out.  
Vapors may travel to the source of ignition and flash back.

#### Unsuitable extinguishing media

Water may be ineffective.

#### Specific hazards arising from the chemical

Carbon monoxide with incomplete combustion.

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective clothing.

#### Protective equipment and precautions for firefighters

Not available.

### 6. Accidental release measures

#### Personal precautions

Wear self-contained breathing apparatus and full protective clothing.

#### Environmental precautions

Dike flow of spilled material using soil or sandbags to minimize contamination of drains, surface and ground waters.

#### Methods for containment

Not available.

#### Methods for cleaning up

Ventilate the area. Eliminate sources of ignition.  
Contain spill. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material.

## 7. Handling and storage

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid contact with clothing. Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. Empty containers contain product residue and can be dangerous, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.
Storage	Keep away from heat, sparks, and flame. Keep away from possible contact with incompatible substances. Store in a cool dry place in accordance with 29 CFR 1910-106/NFPA 30.
Specific uses	Follow bulk handling and storage procedures as noted above.

## 8. Exposure controls / personal protection

Recommended monitoring procedures	Not available.
Recommended monitoring procedures	Not available.
Engineering controls	Local exhaust is recommended. Mechanical - may be necessary if working at elevated temperatures or in enclosed areas. Provide ventilation to meet exposure limits.
Personal protective equipment	
General	Observe good industrial hygiene practices. Avoid contact with eyes. Avoid contact with skin. Avoid breathing (heated) vapors.  Boots. Apron. Eye wash fountain and emergency showers are recommended. Wear suitable protective clothing.
Eye/face protection	Goggles or face shield with goggles, dependent upon potential exposure.
Skin protection	Nitrile gloves are recommended. Dependent upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.
Respiratory protection	None required for ambient temperature, although an appropriate NIOSH/MSHA approved air-purifying respirator should be used if a mist or vapor is generated. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.
Environmental exposure controls	Contact Procter and Gamble for specific Community information.

## 9. Physical and chemical properties

Appearance	
Liquid.	
Physical state	Liquid.
Color	Water white to Yellow.
Odor	Musty.
Odor threshold	Not available.
pH	Not available.
Melting point/Freezing point	-20 °F (-28.9 °C) @ 760 mm Hg (101.3kPa)
Boiling point	330 °F (165.6 °C) @ 760 mm Hg (101.3kPa)
Flash point	128 °F (53.3 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (Train fire)	Not available.
Flammability limits in air, lower, % by volume	Not available.
Flammability limits in air, upper, % by volume	Not available.
Vapor pressure	<= 5 mm Hg @ 72 F (22 C)

Relative density	0.87 @ 25/25 C
Solubility (H2O)	Negligible @ 72 F (22 C)
Auto-ignition temperature	Not available.
Viscosity	3 cP at ambient temperature

## 10. Stability and reactivity

Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Reacts with strong base to produce methanol.
Materials to avoid	Oxidizing agents. Strong bases.
Hazardous decomposition products	Carbon monoxide with incomplete combustion.

## 11. Toxicological information

### Toxicological data

Constituents	Test Results
METHYL OCTANOATE (111-11-5)	Other Rabbit: Based on C810 ME Mixtures. Undiluted-mild transient eye irritation Acute Oral LD50 Rat: 20.5 g/kg Acute Oral LD50 Rat: Based on C8-10 ME. Expected to be greater than 23 g/kg of body weight.
Impurities	Test Results
METHYL HEXANOATE (106-70-7)	Dermal Rabbit: Skin Irritation - PII=2.78 (OECD Test Guideline 404) Acute Oral LD50 Rat: >= 5 g/kg
Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Not available.
Other information	(Based on P&G data for related C8-10 methyl ester mixtures.)  Acute Oral Toxicity: Practically non-toxic. The acute oral LD50 for rats was greater than 23 g/kg of body weight.  Eye Irritation: The application of undiluted material to the rabbit's eye produced only mild transient irritation.  Skin Irritation: 24 hour human patch test indicated that undiluted product produced mild irritation. The irritancy was less than the result produced by a 4% aqueous soap solution.

## 12. Ecological information

### Ecotoxicological data

Product	Test Results
FATTY ACIDS, C6-12, METHYL ESTERS (67762-39-4)	LC50 Bluegill (Lepomis macrochirus): 423 mg/l 96 hours Practically non-toxic.
Constituents	Test Results
METHYL OCTANOATE (111-11-5)	LC50 Bluegill (Lepomis macrochirus): 423 mg/l 96 hours (Based on C8-10 mixture)
Impurities	Test Results
DODECANOIC ACID, METHYL ESTER (111-82-0)	LC50 Bluegill (Lepomis macrochirus): >= 1000 mg/l 96 hours Microbiological Inhibition: None at 10,000 mg/l.
Aquatic toxicity	Microbiological Inhibition: None at 10,000 mg/l.

### 13. Disposal considerations

Disposal methods Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.  
Do not dispose of via sinks, drains or into the immediate environment.

### 14. Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

### 15. Regulatory information

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
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)	No
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)

### 16. Other information

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.

Revision date 10-07-2011

SDS sections updated Product and Company Identification: Product and Company Identification  
Transport Information: Product Shipping Name/Packing Group