

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Substance  
 Name : GLYCEROL MONOSTEARATE 40%  
 Chemical name : Glycerol monostearate  
 EC-No. : 288-123-8  
 CAS-No. : 85665-33-4  
 REACH registration No : 01-2119495562-30

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
 Use of the substance/mixture : For food grade, feed grade, pharmaceutical grade, cosmetic grade: the grade must be mentioned on the order  
 Emulsifier

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Mosselman  
 Route de Wallonie 4  
 7011 Ghlin - Belgium  
 T +32 65395610 - F +32 65395612  
[sales@mosselman.be](mailto:sales@mosselman.be) - [www.mosselman.be](http://www.mosselman.be)

#### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Chemical name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glycerol monostearate	(CAS-No.) 85665-33-4 (EC-No.) 288-123-8 (REACH-no) 01-2119495562-30	100	Not classified

Full text of R- and H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Remove immediately contaminated clothing.
First-aid measures after inhalation	: Fresh air, rest. If necessary seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water and soap. If necessary seek medical advice.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.
First-aid measures after ingestion	: Rinse mouth. Immediately consult a doctor/medical service.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO <sub>2</sub> ), dry chemical powder, foam. Water spray.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: In finely divided state: increased fire hazard. At temperature > flash point : increased fire/explosion hazard.
Explosion hazard	: It's dust is explosive with air.
Reactivity	: Reacts with : oxidising compounds and reducing agents.

### 5.3. Advice for firefighters

Firefighting instructions	: Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: No naked flames, sparks, and do not smoke.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing.
Emergency procedures	: Mark out the contaminated area with signs and prevent access to unauthorized personnel. Spill area may be slippery.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Use appropriate container to avoid environmental contamination.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Vacuum with an equipment that avoids ignition risk. Provide the tank with earthing.
Other information	: Not in groundwater, surfacewater or sewerage. Notify authorities if product enters sewers or public waters.

### 6.4. Reference to other sections

Reference to other sections (8, 13).

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid raising dust. Do not eat, drink or smoke when using this product. Use only explosion-proof equipment.

Handling temperature : < 10 °C

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Avoid dust formation. Prevent build-up of electrostatic charges (e.g. by grounding). Earth the equipment. Use spark-/explosionproof appliances and lighting system.

Storage conditions : Store tightly closed in a dry and cool place. Exclude sources of heat, sparks and open flame.

Information on mixed storage : Keep away from ignition sources. strong bases. strong acids.

Special rules on packaging : closing. correctly labelled. meet the legal requirements.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Provide appropriate exhaust ventilation at places of dust forming.

##### Personal protective equipment:

Gloves. Protective clothing. Protective goggles. Dust/aerosol mask with filter type P2.

##### Hand protection:

Wear suitable gloves

##### Eye protection:

In case of risky circumstances: safety glasses or face shield

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : solid in various forms.

Colour : Creme. White.

Odour : characteristic.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : ≈ 58 °C

Freezing point : No data available

Boiling point : No data available

Flash point : > 200 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

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Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 0,9 g/ml (20°C)
Solubility	: Soluble in : Fats. Water: Insoluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: Not applicable

### 9.2. Other information

Softening point : ca 57 (55 - 60) °C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with : oxidising compounds and reducing agents.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Finely dispersed particles form explosive mixtures in air.

### 10.4. Conditions to avoid

No naked flames, sparks, and do not smoke.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

On burning: release of carbon monoxide - carbon dioxide. Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Lack of data)

#### GLYCEROL MONOSTEARATE 40% (85665-33-4)

LD50 oral rat	> 5000 mg/kg
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Skin corrosion/irritation : Not classified (Lack of data)

Serious eye damage/irritation : Not classified (Lack of data)

Respiratory or skin sensitisation : Not classified (Lack of data)

Germ cell mutagenicity : Not classified (Lack of data)

Carcinogenicity : Not classified (Lack of data)

Reproductive toxicity : Not classified (Lack of data)

STOT-single exposure : Not classified (Lack of data)

STOT-repeated exposure : Not classified (Lack of data)

Aspiration hazard : Not classified (Lack of data)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No dangerous reactions known.

Ecology - air : No data available.

### 12.2. Persistence and degradability

#### GLYCEROL MONOSTEARATE 40% (85665-33-4)

Persistence and degradability	Biodegradable.
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### 12.3. Bioaccumulative potential

No additional information available

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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Ecology - waste materials : Collect all waste in suitable and labelled containers and dispose according to local legislation.  
European List of Waste (LoW) code : No supplementary information available

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

#### 14.6.3. Air transport

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

GLYCEROL MONOSTEARATE 40% is not on the REACH Candidate List

GLYCEROL MONOSTEARATE 40% is not on the REACH Annex XIV List

#### 15.1.2. National regulations

Water hazard class (WGK) : 1 - low hazard to water

WGK remark : Water hazard class : 1 (specific classification)

Regulatory reference : Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China).

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

Physical and chemical properties. Identification of the substance/mixture and of the company/undertaking.

SDS Mosselman

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

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