

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

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

1.1 Product identifier

Trade name

WILFARIN SA-1892

Substance name Stearic acid
REACH registration no. 01-2119543894-28

Identification numbers

CAS no. 57-11-4
EC no. 200-313-4

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

Relevant identified uses of the substance or mixture

Industrial use

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

WILMAR Europe Trading B.V.
Central Post – Entrance West, 7th floor
Delftseplein 27G
NL-3013 AA Rotterdam

Telephone no. +31-10-2178800
Fax no. +31-10-2178801

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not relevant

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterization

Substance name Stearic acid

Identification numbers

CAS no. 57-11-4
EC no. 200-313-4

3.2 Mixtures

Not applicable. The product is not a mixture.

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Dry chemical extinguisher; Carbon dioxide; Water spray jet

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

When picked up, treat material as prescribed under heading "Disposal considerations". Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

No data available.

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale vapours. Use barrier skin cream. Avoid contact with eyes.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Recommended storage temperature

Value	5	-	10	°C
-------	---	---	----	----

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Emptied containers may contain product residues and therefore must be handled with care.

Reuse only after appropriate cleaning.

Appropriate Material stainless steel; aluminium; Lithcote LC-19 / Kanigen

Advice on storage assembly

Do not store together with: Oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. Protective gloves (EN 455)

Appropriate Material nitrile

Other

Normal chemical work clothing.

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form/Colour			
solid			
white			
Odour			
musty; fatty-like			
Odour threshold			
No data available			
pH value			
Value	3		
Reference temperature	20	°C	
Boiling point / boiling range			
Value	178	- 191	°C
Melting point / melting range			
Value	>	66	°C
Decomposition point / decomposition range			
No data available			
Flash point			
Value	>	180	°C
Auto-ignition temperature			
No data available			
Oxidising properties			
No data available			
Explosive properties			
No data available			
Flammability (solid, gas)			
No data available			
Lower flammability or explosive limits			
No data available			
Upper flammability or explosive limits			
No data available			
Vapour pressure			
Value	<	0.1	hPa
Reference temperature	70	°C	
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value	0.845	g/cm ³	
Reference temperature	20	°C	

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

Solubility in water		
Remarks	insoluble	
Solubility(ies)		
No data available		
Partition coefficient: n-octanol/water		
No data available		
Viscosity		
Value	11	mPa*s
Reference temperature	75	°C
Type	dynamic	

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute oral toxicity			
LD50		4600	mg/kg
Species	rat		
Reference substance	CAS 57-11-4		
Acute dermal toxicity			
LD50	>	5000	mg/kg
Species	rabbit		
Reference substance	CAS 57-11-4		
Acute inhalational toxicity			
Remarks	No data available.		
Skin corrosion/irritation			
Species	rabbit		
Reference substance	CAS 57-11-4		
Method	Draize method		
Evaluation	Moderately irritating		

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

Serious eye damage/irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Reproduction toxicity
No data available
Carcinogenicity
No data available
STOT-single exposure
No data available
STOT-repeated exposure
No data available
Aspiration hazard
No data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)		
LD50	125	mg/l
Duration of exposure	96	h
Species	red killifish	
Reference substance	CAS 57-11-4	

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment. Ecological data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Product name	Fatty acids, (C16+)
Pollution category	Y
Ship type	2
Remarks	Tank type: 2G

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This substance is not subject to Part I or 2 of Annex I

15.2 Chemical safety assessment

No data available.

Trade name: WILFARIN SA-1892

Current version : 1.3.2, issued: 06.07.2016

Replaced version: 1.3.1, issued: 15.06.2016

Region: GB

SECTION 16: Other information

Further information

List of acronyms:

ATE Acute Toxicity Estimate

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

DNEL Derived No Effect Level

EN European Standard

IATA International Air Transport Association

IBC-Code Internationale code voor de bouw en de uitrusting van schepen die gevaarlijke chemicaliën in bulk vervoeren (IBC-codex)

ICAO-TI Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG International Maritime Dangerous Goods

LC50 Lethal Concentration to 50 % of a test population

LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)

MARPOL Verdrag ter voorkoming van verontreiniging van de zee door zeeschepen

OECD Organization for Economic Co-operation and Development

PBT Persistent, Bioaccumulative and Toxic substance

PNEC Predicted No Effect Concentration(s)

vPvB Very Persistent and Very Bioaccumulative

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

UMCO Umwelt Consult GmbH

Georg-Wilhelm-Str. 183 , D-21107 Hamburg

Tel.: +49 40 / 79 02 36 300 Fax: +49 40 / 79 02 36 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO Umwelt Consult GmbH.