



## SAFETY DATA SHEET SURFAC STEARIC ACID

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

#### 1.1. Product identifier

Product name	SURFAC STEARIC ACID
Chemical name	FATTY ACIDS, C16-18
Product number	STEARACID
REACH registration number	01-2119543709-29-XXXX
CAS number	67701-03-5
EC number	266-928-5

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

Identified uses	Additive Lubricant.
-----------------	---------------------

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

Supplier	Surfachem Ltd 2 The Embankment Sovereign Street Leeds West Yorkshire LS1 4BA United Kingdom + 44 (0)113 394 9200 + 44 (0)113 244 5910
Contact person	info@surfachem.com
EU Entity:	Banner Chemicals Benelux NV, Science Park Incubator, Darwin, Office A 212, Galileilaan 15, 2845 Niel Belgium

#### 1.4. Emergency telephone number

Emergency telephone	+44 (0) 870 190 6777 (National Emergency Centre) +44 (0)1270 502891
---------------------	---

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

#### 2.2. Label elements

EC number	266-928-5
Hazard statements	NC Not Classified

# SURFAC STEARIC ACID

**Precautionary statements** P262 Do not get in eyes, on skin, or on clothing.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

## 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Fatty Acids, C16-18</b>			<b>60-100%</b>
CAS number: 67701-03-5	EC number: 266-928-5	REACH registration number: 01-2119543709-29-XXXX	
<b>Classification</b>			
Not Classified			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** Rinse mouth. Give plenty of water to drink. Do not induce vomiting. Get medical attention.

**Skin contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

**Inhalation** May cause irritation. May cause an asthma-like shortness of breath.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** May be slightly irritating to skin.

**Eye contact** May be slightly irritating to eyes.

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Carbon dioxide (CO<sub>2</sub>). Foam. Powder. Water spray.

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

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

**Specific hazards** Dust may form explosive mixture with air.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SURFAC STEARIC ACID

### SECTION 6: Accidental release measures

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

**Personal precautions** For personal protection, see Section 8. Keep unnecessary and unprotected personnel away from the spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Dispose of contents/container in accordance with local regulations.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat. Do not use in confined spaces without adequate ventilation and/or respirator. Dust may form explosive mixture with air.

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

**Storage precautions** Keep container tightly closed, in a cool, well ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with oxidising agents.

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

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

**DNEL** Workers - Dermal; Long term : 10 mg/kg bw/day  
Workers - Inhalation; Long term : 17632 mg/m<sup>3</sup>

#### 8.2. Exposure controls

**Appropriate engineering controls** Provide adequate ventilation.

**Eye/face protection** Wear eye protection.

**Hand protection** Wear protective gloves.

**Other skin and body protection** Wear appropriate clothing to prevent skin contamination.

**Respiratory protection** Self-contained breathing apparatus must be available in case of emergency.

### SECTION 9: Physical and chemical properties

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

**Appearance** Flakes.

**Colour** White/off-white.

**Odour** Mild.

**Odour threshold** Not determined.

## SURFAC STEARIC ACID

<b>Melting point</b>	53-63°C
<b>Initial boiling point and range</b>	>200°C
<b>Flash point</b>	~ 180°C Cleveland open cup.
<b>Vapour pressure</b>	<0.01 hPa @ 20°C
<b>Relative density</b>	~ 0.84-0.90 @ 20°C
<b>Solubility(ies)</b>	< 0.05 g/l water @ 25°C
<b>Partition coefficient</b>	log Pow: ~ 7.05-8.23
<b>Auto-ignition temperature</b>	~350°C

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

##### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong oxidising agents.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

##### Toxicological information on ingredients.

##### Fatty Acids, C16-18

###### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,001.0

**Species** Rat

**ATE oral (mg/kg)** 5,001.0

###### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rabbit

**ATE dermal (mg/kg)** 2,001.0

# SURFAC STEARIC ACID

## Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) LC50 0.1521 mg/l, 4 hours, Rat

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 48 hours: >1000 mg/l, Fish

### 12.2. Persistence and degradability

Persistence and degradability The product is readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential No potential for bioaccumulation.

Partition coefficient log Pow: ~ 7.05-8.23

### 12.4. Mobility in soil

Mobility Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

Other adverse effects Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

## SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

## SURFAC STEARIC ACID

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

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

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

#### Inventories

##### **EU - EINECS/ELINCS**

Present.

##### **Canada - DSL/NDSL**

Present.

##### **US - TSCA**

Present.

##### **Australia - AICS**

Present.

##### **Japan - ENCS**

Present.

##### **Korea - KECI**

Present.

##### **China - IECSC**

Present.

##### **Philippines – PICCS**

Present.

##### **New Zealand - NZIOC**

Present.

##### **Taiwan - TCSI**

Present.

### SECTION 16: Other information

<b>Revision date</b>	18/02/2021
<b>Revision</b>	1
<b>SDS number</b>	22786

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.