

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## BAEROCID SMS-1 V

Version 4.0

Revision Date 12.02.2016

---

[www.soapqueen.eu](http://www.soapqueen.eu)

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name	Stearin for candles - 100% vegetal
	Stearine voor kaarsen - 100% plantaardig
Product code	GK01

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

Use of the Substance/Mixture	: Manufacture of plastics products Polymer additive Lubricant and release agent
------------------------------	---

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

Supplier	SoapQueen vof Veilingdreef 20 4614 RX Bergen op Zoom Nederland
Contact Person	Regulatory Manager
Emergency Telephone	+31 (0)164 254900 - Office Hours: 9:00 - 17:00 (weekdays only)

---

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.3 Other hazards

Dust may form ignitable mixtures with air - risk of dust explosion.  
Health injuries are not known or expected under normal use. The product is combustible.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

---

Revision Date 12.02.2016

---

## 3. Composition/information on ingredients

### 3.1 Substances

Chemical nature : Fatty acid C16 - C18.

---

## 4. First aid measures

### 4.1 Description of first aid measures

If inhaled : Move to fresh air.

In case of skin contact : Wash off with soap and water.

In case of eye contact : Rinse with plenty of water.

If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Consult a doctor and show this safety datasheet.

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

Symptoms : No information available.

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

Treatment : Treat symptomatically.

---

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Sand

Unsuitable extinguishing : High volume water jet media

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

Specific hazards during : Smoke and fumes, toxic. firefighting

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

---

## 6. Accidental release measures

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

Personal precautions : Avoid dust formation.  
Remove all sources of ignition.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 12.02.2016

## 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

## 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.  
Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

For personal protection see section 8.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Take precautionary measures against static discharges.  
Keep away from sources of ignition - No smoking.  
Avoid formation and buildup of dust.

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

Requirements for storage areas and containers : Store at room temperature in the original container.  
Keep in a dry place.

German storage class : 11 Combustible Solids

### 7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
General dust limit (alveolar fraction)		air 8 h	0,3 mg/m <sup>3</sup>		Germany (MAK)
		air 8 h	1,25 mg/m <sup>3</sup>		Germany (TRGS 900)
		air 8 h	3 mg/m <sup>3</sup>		Belgium
		air 8 h	5 mg/m <sup>3</sup>		France

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 12.02.2016

		air 8 h	4 mg/m <sup>3</sup>		United Kingdom
		air 8 h	3 mg/m <sup>3</sup>		Italy
		air 8 h	5 mg/m <sup>3</sup>		Norway
		air 8 h	5 mg/m <sup>3</sup>		Austria
		air 8 h	3 mg/m <sup>3</sup>		Portugal
		air 8 h	5 mg/m <sup>3</sup>		Sweden
		air 8 h	3 mg/m <sup>3</sup>		Switzerland
		air 8 h	3 mg/m <sup>3</sup>		Spain
General dust limit (inhalable fraction)		air 8 h	4 mg/m <sup>3</sup>		Germany (MAK)
		air 8 h	10 mg/m <sup>3</sup>		Germany (TRGS 900)
		air 8 h	10 mg/m <sup>3</sup>		Belgium
		air 8 h	10 mg/m <sup>3</sup>		France
		air 8 h	10 mg/m <sup>3</sup>		United Kingdom
		air 8 h	10 mg/m <sup>3</sup>		Italy
		air 8 h	10 mg/m <sup>3</sup>		Norway
		air 8 h	10 mg/m <sup>3</sup>		Austria
		air 8 h	10 mg/m <sup>3</sup>		Portugal
		air 8 h	10 mg/m <sup>3</sup>		Sweden
		air 8 h	10 mg/m <sup>3</sup>		Switzerland
		air 8 h	10 mg/m <sup>3</sup>		Spain

DNEL : End Use: Workers  
 Exposure routes: Inhalation  
 Potential health effects: Repeated or prolonged exposure,

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 12.02.2016

---

	Systemic effects
	Value: 17,632 mg/m <sup>3</sup>
DNEL	: End Use: Workers
	Exposure routes: Skin contact
	Potential health effects: Repeated or prolonged exposure, Systemic effects
	Value: 10 mg/kg bw/day
PNEC	: not determined

## 8.2 Exposure controls

**Engineering measures** Local exhaust

### Personal protective equipment

Respiratory protection	: Breathing apparatus only if aerosol or dust is formed.
Hand protection	: protective gloves acc. to EN 374, e.g. neoprene
Eye protection	: Safety glasses
Skin and body protection	: Long sleeved clothing
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Do not smoke. When using do not eat or drink. Wash hands before breaks and at the end of workday.
Protective measures	: antistatic shoes

### Environmental exposure controls

General advice	: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
----------------	---

---

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: flakes
Colour	: off-white
Odour	: slight
pH	: No data available
Melting point/range	: 56 - 60 °C
Flash point	: > 180 °C, (GESTIS database)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 12.02.2016

---

Upper explosion limit	: No data available
Vapour pressure	: No data available
Density	: No data available
Water solubility	: slightly soluble
Auto-ignition temperature	: No data available
Ignition temperature	: No data available

## 9.2 Other information

Bulk density	: No data available
--------------	---------------------

---

## 10. Stability and reactivity

### 10.1 Reactivity

Stable at normal ambient temperature and pressure.

### 10.2 Chemical stability

No decomposition if stored normally.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : The product is combustible. Risk

### 10.4 Conditions to avoid

of dust explosion.

### 10.5 Incompatible materials

Conditions to avoid : Avoid dust formation.

Keep away from heat and sources of ignition.

Materials to avoid : Not applicable

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if used as directed.

---

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity : LD50: > 5.000 mg/kg, Rat, OECD Test Guideline 401, GLP: no, Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Read-across (Analogy)  
: LC50: > 0,1621 mg/l, 4 h, Rat, vapour, Based on available data, the classification criteria are not met.

Acute dermal toxicity : LD50: > 2.000 mg/kg, Rabbit, OECD Test Guideline 434, Based on available data, the classification criteria are not met.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 12.02.2016

---

Skin corrosion/irritation	: Rabbit, Result: not irritating, standardised international/national methodology, GLP: no, Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	: Rabbit, Result: not irritating, standardised international/national methodology, GLP: no, Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: Skin sensitisation  : Read-across (Analogy)  : Maximisation Test (GPMT), Guinea pig, Result: not sensitising, OECD Test Guideline 406, GLP: yes, Based on available data, the classification criteria are not met.  : Respiratory sensitisation, Not classified due to lack of data.
Germ cell mutagenicity	
Genotoxicity in vitro	: Read-across (Analogy)  : Mutagenicity (Salmonella typhimurium - reverse mutation assay), Bacteria, Result: negative, OECD Test Guideline 471, GLP: yes  : Read-across (Analogy)  : In vitro gene mutation study in mammalian cells, mouse lymphoma cells, Result: negative, OECD Test Guideline 476, GLP: yes  : Read-across (Analogy)  : Mutagenicity (in vitro mammalian cytogenetic test), CHL, Result: negative, OECD Test Guideline 473, GLP: yes, Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified due to lack of data.
Reproductive toxicity	: Read-across (Analogy)  : Screening for reproductive/developmental toxicity, Rat, Oral, NOAEL: 1.000 mg/kg, OECD Test Guideline 422, GLP: yes, Based on available data, the classification criteria are not met.
Teratogenicity	: Read-across (Analogy)  : Rat, Oral, NOAEL: 1.000 mg/kg, OECD Test Guideline 422, GLP: yes, Based on available data, the classification criteria are not met.
STOT - single exposure	: Remarks: Based on available data, the classification criteria are not met.
STOT - repeated exposure	: Read-across (Analogy)
STOT - repeated exposure	: Rat, Oral, NOAEL: 1.000 mg/kg, OECD Test Guideline 422, GLP: yes, Based on available data, the classification criteria are not met.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 12.02.2016

Aspiration toxicity : Based on available data, the classification criteria are not met.

Further information : CMR effects, Carcinogenicity, Mutagenicity, Reproductive toxicity, Hazard assessment, Category 1A, Category 1B, Based on available data, the classification criteria are not met.  
: Likely route of exposure, Inhalation, Skin contact, Ingestion

## 12. Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : LC50: > 10.000 mg/l, 48 h, Leuciscus idus (Golden orfe), static test, OECD Test Guideline 203, GLP: no  
: LC50: > 5.000 mg/l, 96 h, Leuciscus idus (Golden orfe), Expert judgement

Toxicity to daphnia and other aquatic invertebrates : EC50: > 32 mg/l, 47 h, Daphnia magna (Water flea), static test, standardised international/national methodology, GLP: yes  
: EC50: > 4,8 mg/l, 48 h, Daphnia magna (Water flea), static test, OECD Test Guideline 202, GLP: yes  
: LC50: > 20 mg/l, 48 h, Artemia salina

Toxicity to algae :  
: Read-across (Analogy)  
: EC50: > 0,9 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae), static test, OECD Test Guideline 201, GLP: yes  
:  
: Read-across (Analogy)  
: NOEC: > 0,9 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae), static test, OECD Test Guideline 201, GLP: yes

Toxicity to bacteria : EC10: 883 mg/l, 16 h, Pseudomonas putida, static test, standardised international/national methodology, GLP: yes

Toxicity to fish (Chronic toxicity) : study scientifically unjustified

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Read-across (Analogy)  
NOEC: > 0,22 mg/l, 21 d, Daphnia magna (Water flea), semistatic test, OECD Test Guideline 211, GLP: yes

Ecotoxicology Assessment



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

---

Revision Date 12.02.2016

---

Acute aquatic toxicity : Based on available data, the classification criteria are not met.

Chronic aquatic toxicity : Based on available data, the classification criteria are not met. **12.2**

## **Persistence and degradability**

### **Product:**

Biodegradability :  
: Read-across (Analogy)  
: aerobic, 93 %, Result: Readily biodegradable, Exposure time:  
28 d, activated sludge, OECD Test Guideline 301 B, GLP: yes

## **12.3 Bioaccumulative potential**

### **Product:**

Bioaccumulation :  
: Read-across (Analogy)  
: Danio rerio (zebra fish), Exposure time: 28 d, Concentration:  
6,4 mg/l, Bioconcentration factor (BCF): 238 - 288, OECD Test  
Guideline 305

## **12.4 Mobility in soil**

### **Product:**

Mobility : QSAR, Predicted distribution to environmental compartments,  
Sediment, Soil

## **12.5 Results of PBT and vPvB assessment Product:**

Assessment : Based on available data, the classification criteria are not met. **12.6 Other adverse**

## **effects Product:**

Further information : No information available.

---

## **13. Disposal considerations**

### **13.1 Waste treatment methods**

Product : Take to an established disposal company according to the  
waste regulations.

Contaminated packaging : Empty out residues and take away for disposal according to  
the packaging regulations.  
EWC Code:150101 (Paper and Cardboard), 150102 (Plastics)

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 12.02.2016

---

## 14. Transport information

### 14.1 UN number

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.2 Proper shipping name

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.3 Transport hazard class

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.4 Packing group

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.5 Environmental hazards

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### 14.6 Special precautions for user

See this safety data sheet chapter 6. - 8.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

---

Revision Date 12.02.2016

---

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

Remarks : No transport according to Annex II of MARPOL 73/78 and the IBC Code

---

## 15. Regulatory information

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

Major Accident Hazard : Directive 96/82/EC does not apply  
Legislation

Water contaminating class : nwg not water endangering VVWWS  
(Germany) Update: 27.07.2005

Other regulations : According to Regulation 5 of the CHIPS Regulations 1994, the product is not classified as dangerous for supply.  
: relevant: Directive 1999/92/EC, 94/9/EC, 98/24/EC  
: non-relevant: Regulation (EC) No. 2037/2000, (EC) No. 850/2004 with amending Directive 79/117/EEC, (EC) No. 689/2008

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this substance.

---

## 16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.