

BAEROCID SMS-1 V

Version 4.0

Revision Date 12.02.2016

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

1.1 Product identifier

Trade name : Stearin vegetable based

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

Company : SELLACQ-Holland BV
Nipkowweg 11
8501 XH JOURE, THE NETHERLANDS
Telephone : 0031 513 499 657
E-mail address : info@sellacq-holland.nl

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.

3. Composition/information on ingredients

3.1 Substances

Chemical nature : Fatty acid C16 - C18.

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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.
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5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical
Sand

- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Smoke and fumes, toxic.

5.3 Advice for firefighters

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

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

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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 ³		Germany (MAK)
		air 8 h	1,25 mg/m ³		Germany (TRGS 900)
		air 8 h	3 mg/m ³		Belgium
		air 8 h	5 mg/m ³		France
		air 8 h	4 mg/m ³		United Kingdom

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

DNEL : End Use: Workers
 Exposure routes: Inhalation
 Potential health effects: Repeated or prolonged exposure,
 Systemic effects
 Value: 17,632 mg/m³

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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)

Upper explosion limit : No data available

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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 of dust explosion.

10.4 Conditions to avoid

Conditions to avoid : Avoid dust formation.
Keep away from heat and sources of ignition.

10.5 Incompatible materials

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,

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according to Regulation (EC) No. 1907/2006

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

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- are not met.
- 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), semi-static test, OECD Test Guideline 211, GLP: yes
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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)

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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.

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

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15. Regulatory information

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

- Major Accident Hazard Legislation : Directive 96/82/EC does not apply
- Water contaminating class (Germany) : nwg not water endangering
VWVWS 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.