

Safety information sheet

Version: 1.0 EN

Rapeseed stearic acid

Article number: D10154

This document has been prepared as a communication tool to inform downstream users about both the status of the substance under REACH and CLP, some of its essential properties and the guidance on safe use. An extended safety data sheet (SDS) is not required for this substance under Article 31 of REACH Regulation (EC) No 1272/2008, including the amending Regulation (EU) 2020/878. As a result, the format and content of this document does not comply with the framework for safety data sheets set out in Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006.

1 Identification of the substance/mixture and the company

1.1 Product identifier

Name	Rapeseed stearic acid
CAS number	57-11-4
EC number	200-313-4
REACH registration	01-2119543894-28-xxxx

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

Description/use	The product is intended for industrial and cosmetic use, as well as for the manufacture of candles or as a component in care products and polishes. For further information on specific applications, please contact us on the telephone number given - we will be happy to put you in touch with the relevant specialist department.
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1.3 Details of the supplier providing the safety information sheet

Company	DistrEbution GmbH
Adress	Brookdeich 40 21029 Hamburg Germany
Telephone	+49 40 609 2387 60
E-Mail	info@distrebution.com

1.4 Emergency number

+49 40 609 2387 60 (Business hours: Mon - Thu: 8 a.m.- 5 p.m. / Fri: 8 a.m. – 4 p.m.)

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2 Potential hazards

2.1 Classification of the substance or mixture

Not classified according to Chemicals Regulation (EC) Nr.1272/2008.

2.2 Label elements

Not subject to classification according to Regulation (EC) No 1272/2008.

2.3 Other hazards

This substance or mixture does not meet the criteria for PBT substances according to Annex XIII of the REACH Regulation.

This substance or mixture also does not meet the criteria for vPvB substances according to Annex XIII of the REACH Regulation.

3 Composition/information on ingredients

Chemical	Rapeseed stearic acid
characterization:	
CAS number	57-11-4
EC number	200-313-4
REACH registration	01-2119543894-28-xxxx
Hazardous ingredients	-
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

If symptoms persist or in case of doubt, seek medical advice.

After eye contact

Rinse eyes thoroughly with clean water.

After skin contact

Rinse with plenty of water.

Inhalation or ingestion

Move the affected person to fresh air and ensure they can breathe freely. If they feel unwell, seek medical advice or contact the poison information centre.

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

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

Water spray, dry extinguishing powder, foam

Unsuitable extinguishing agents

Full water jet

5.2 Special hazards arising from the substance or mixture

Fires can cause the formation of decomposition products that are harmful to health, including carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Only intervene with appropriate protective equipment. Wear self-contained breathing apparatus and full protective clothing.

Extinguishing water must not be allowed to enter the sewage system or waterways; dispose of in accordance with official regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personnel not trained for emergencies

Ventilate the affected area well.

Emergency responders

Only work with suitable protective equipment. For information on personal protective equipment, see Section 8.

6.2 Environmental precautions

Avoid release into the environment. Prevent penetration into soil, water or sewage systems.

6.3 Methods and material for containment and cleaning up

Mechanically collect spilled material (e.g. sweep up or wipe off) and collect in suitable, labelled containers for disposal. Dispose of in accordance with official regulations.

6.4 Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for information on disposal.

7 Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation of the work area. Use appropriate personal protective equipment.

Do not eat, drink or smoke while working. Wash hands thoroughly after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Store in a well-ventilated and cool place.

Keep separate from food, beverages and animal feed.

7.3 Specific end uses

No data available.

8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

No data available.

8.2 Limitation and monitoring of exposure

8.2.1 Appropriate engineering controls

Ensure adequate ventilation of the work area.

8.2.2 Personal protective equipment

General protective and hygiene measures:

Observe the usual precautions when handling chemicals. Wash hands before breaks and after work.

Respiratory protection

In case of insufficient ventilation, use suitable respiratory protection, e.g. particle filter EN 143 (P2).

Respiratory protection should only be used if technical measures to reduce exposure are insufficient, e.g. through extraction or containment.

For further information on conditions of use and maximum exposure times, see DGUV Rule 112-190.

Hand protection

Wear suitable protective gloves made of nitrile rubber (EN 374) in case of regular or prolonged skin contact.

The choice of gloves depends on the material and manufacturer's specifications.

Replace gloves if damaged or showing visible signs of wear.

Observe the information provided by the manufacturer regarding permeability and breakthrough time.

Eye protection

If there is a risk of dust formation, wear tightly fitting safety goggles in accordance with EN 166.

Body protection

Wear suitable protective clothing in accordance with EN ISO 13688 while working.

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

Form	Solid
Colour	White
Odour	Light
pH value	No data available
Melting point/freezing point	64.9 – 69.3°C
Boiling point	383 – 385.8°C
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Flash point	~200°C
Auto-ignition temperature	~400°C
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	~9.87 mPa·s (70°C)

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Water solubility	< 0.05 g/l (25°C)
Partition coefficient n-octanol/water (log value)	8.23
Vapour pressure	0.01 hPa
Density at 20°C	~0.87 g/cm ³
Relative density	No data available
Relative vapour density at 20°C	No data available
Explosive properties	The product is not explosive.
Oxidising properties	Not oxidising
Explosion limits	No data available

9.2 Other information

No data available

10 Stability and reactivity

10.1 Reactivity

Under normal storage, transport and use conditions, the product shows no reactivity.

10.2 Chemical stability

The product is stable when stored and handled as intended.

10.3 Possibility of hazardous reactions

No hazardous reactions are known when used properly.

10.4 Conditions to avoid

No special conditions known that could lead to a hazard.

10.5 Incompatible materials

No information available on incompatible substances or materials.

10.6 Hazardous decomposition products

No hazardous decomposition products are formed under normal storage and use conditions.

11 Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

The product has not been tested. The information is based on the properties of the individual components.

Acute oral toxicity	No data available. LD50 oral rat: > 5000mg/kg
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Acute dermal toxicity

No data available.

LD50 dermal rabbit: > 2000mg/kg

Acute inhalation toxicity

No data available.

LC 50 inhalation rat: > 0.162mg/l/4h

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity (single exposure)

No data available

Specific target organ toxicity (repeated exposure)

No data available

Aspiration hazard

No data available

11.2 Information on other hazards

Endocrine disrupting properties

No data available

Other information

No data available

12 Environmental information

12.1 Toxicity

No data available

12.2 Persistence and degradability

Easily biodegradable.

Degradation rate: 93.9% after 28 days (OECD 301B, not adapted).

12.3 Bioaccumulative potential

BCF (fish, 28 d): 238–288 l/kg (Danio rerio; OECD 305).

Distribution coefficient n-octanol/water (log Pow): 8.23.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT or vPvB criteria according to Annex XIII of the REACH Regulation.

12.6 Other adverse effects

No data available

13 Disposal instructions

13.1 Waste treatment methods

Disposal must be carried out in accordance with the applicable official regulations.

Do not allow to enter drains or the environment. Disposal via household waste is not permitted.

Classification into waste types is based on the European Waste Catalogue.

Recommendations for product and packaging disposal

Recycle or dispose of product and packaging in accordance with the applicable legal regulations.

14 Transport information

14.1 Transport ADR/RID/ADN

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

14.2 Proper UN shipping name

No information available.

14.3 Transport hazard classes

No information available.

14.4 Packing group

No information available

14.5 Environmental hazards

No information available

14.6 Special precautions for user

No information available

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

No information available

15 Legislation

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

15.1.1 EU regulations

- Regulation (EC) No. 1907/2006 (REACH), Annex XVII – Restrictions: No restrictions contained.
- Regulation (EC) No. 1907/2006 (REACH), Annex XIV – Substances subject to authorisation: No substances contained.

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- Regulation (EU) No. 649/2012 on the export and import of dangerous chemicals: Not applicable.
- Regulation (EU) No. 2019/1021 on persistent organic pollutants (POPs): No substances contained.
- Article 31 of the REACH Regulation: There is no obligation to prepare a safety data sheet for this product; it has been prepared voluntarily.

15.1.2 National regulations

- Wassergefährdungsklasse (WGK): Nicht wassergefährdend (Einstufung gemäß AwSV; Kenn-Nr. 661).
- Störfall-Verordnung (12. BImSchV): Produkt fällt nicht unter die Regelungen der Störfall-Verordnung.
- TRGS 510 – Lagerung von Gefahrstoffen in ortsbeweglichen Behältern: Einhaltung der allgemeinen Anforderungen empfohlen.
- Lagerklasse (LGK): LGK 11 – Brennbare Feststoffe, die keiner der genannten Lagerklassen zugeordnet sind.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this substance.

16 Other information

16.1 Abbreviations and acronyms

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

IMDG - International Maritime Dangerous Goods Code

IATA - International Air Transport Association

ICAO-TI - International Civil Aviation Organization Technical Instructions

CLP - Classification, Classification, Labeling and Packaging of Substances and Mixtures

GHS - Globally Harmonized System of Classification and Labeling of Chemicals

EINECS - European Inventory of Existing Commercial Chemical Substances

CAS - Chemical Abstracts Service (registration number)

REACH - Registration, Evaluation, Authorization and Restriction of Chemicals, Registration, Evaluation, Authorization and Restriction of Chemicals

PBT - Persistent, Bioaccumulative and Toxic

vPvB - Very Persistent and Very Bioaccumulative

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PNEC - Predicted No Effect Concentration
PBT - Persistent, Bioaccumulative and Toxic

vPvB - Very Persistent and Very Bioaccumulative

16.2 SVHC

The substances on the ECHA list (<http://echa.europa.eu/en/candidate-list-table>) are neither expected to be present in our products nor are they intentionally used in the production process. Our products do not come into contact with these substances during production. However, it is not possible to completely rule out traces of these substances: due to natural impurities or raw material-related properties, an unintentional content of less than 0.1% cannot be completely ruled out.

16.3 Note for users

The information in this data sheet is based on our current knowledge at the time of the last revision. The user is responsible for checking the suitability and completeness of the information in relation to the specific use of the product.

This document does not constitute a guarantee for specific properties of the product. As we have no direct influence on the use of the product, the user is obliged to comply with all applicable laws, regulations and safety and hygiene provisions on his own responsibility. We accept no liability for improper use. Personnel entrusted with the handling of chemicals must be appropriately trained.