



Stearic Acid

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

1.1 Product Identifier

Product Name	Stearic Acid
Description	Stearic Acid/Octadecanoic Acid, min 95%
Code	G2425
CAS No.	67762-27-0, 8005-44-5 (and) 9005-67-8
EINECS No.	200-313-4
Origin	organic

1.2 Details of the supplier of the safety data sheet

Supplier/Distributor	zielonyklub.pl
Company	Greenaction Sp. z o.o., ul. Śniadeckich 31, 25-366 Kielce, NIP: PL6571011247
Contact	tech@zielonyklub.pl

1.3 Details of the supplier of the safety data sheet

Emergency Contact	112 (emergency), 998 (fire), 999 (ambulance), 42 631 47 24 (toxicological information in Poland)
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1.4 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC)	This product is not dangerous according to REACH Regulation 1907/2006.
Classification (EU 1272/2008)	This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:	None
Signal word:	None
Contains:	None
Hazard Statements:	None
Precautionary Statements:	None
Supplementary Precautionary Statements:	None
Statements:	None

2.3 Other hazards

Adverse physio-chemical properties	None
Adverse effects on human health	None

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical Name	EINECS	CAS	Concentrate %
Stearic acid	200-313-4	57-11-4	95 - 98

3.2 Mixtures

N/A



Stearic Acid

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Immediately remove any clothing soiled by the product.
Ingestion	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately. Call a doctor immediately.
Skin Contact	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
Eye Contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Inhalation	Supply fresh air, consult doctor in case of complaints.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Fire fighting measures

5.1 Extinguishing Media

Extinguishing media:	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	Water with full jet

5.2 Special hazards arising from the substance or mixture.

Under certain fire conditions, traces of other toxic gases cannot be excluded.

5.3 Advice for fire-fighters

Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions

Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up

Pick up mechanically. Allow to solidify. Pick up mechanically. Dispose of the material collected according to regulations.

6.4 References to other sections.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Open and handle receptacle with care. Keep away from heat and direct sunlight. Store in cool, dry place in tightly closed receptacles.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original receptacle.

Store away from oxidising agents.

Keep container tightly sealed.

7.3 Specific end use(s)

N/A



Stearic Acid

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

None

8.2 Exposure Controls

Eye protection	Tightly sealed goggles not required.
Hand protection	Avoid direct contact with the chemical/ the product/ the preparation by organisational measures. Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Respiratory Equipment	Suitable respiratory protective device recommended.
Hygiene Measures	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Be sure to clean skin thoroughly after work and before breaks.
Environmental Exposure Controls	None

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Solid
Colour	White
Odour	Faint fatty smell
Odour threshold	Not determined
pH-value	Not applicable
Melting point/freezing point	64.9-69.3 °C
Initial boiling point and boiling range	383-385.8 °C
Flash point	200 °C (ASTM D92)
Flammability (solid, gas):	Product is not flammable.
Ignition temperature	400 °C
Decomposition temperature	Not determined
Auto-ignition temperature	Not determined
Explosive properties	Product does not present an explosion hazard
Explosion limits	Not determined
Vapour pressure at 25 °C	6 hPa
Density at 20°C	0.87 g/cm ³
Relative density	Not determined
Vapour density	Not applicable
Evaporation rate	Not applicable
Solubility in/Miscibility with water at 20 °C	<0.05 g/l
Partition coefficient: n-octanol/ water	Not determined
Viscosity	Not applicable

9.2 Other information

N/A



Stearic Acid

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available

10.2 Chemical stability

Stable at environment temperature

10.3 Possibility of hazardous reactions

Reacts with oxidising agents.

10.4 Conditions to avoid

See Section 7 for information on safe handling.

10.5 Incompatible materials

See Section 7 for information on safe handling.

10.6 Hazardous decomposition products

Irritant gases/vapours. Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

Oral	LD50	>6,000 mg/kg bw/day (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg bw/day (rabbit) (OECD 434; CAS57-11-4;C18)
Inhalative	LC50	0.1521 mg/L

Primary irritant effect

Skin corrosion/irritation	No irritant effect
Serious eye damage/irritation	No irritant effect
Respiratory or skin sensitisation	No sensitising effects known.

Additional toxicological information The substance is not subject to classification according to the latest version of the EU lists.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity	Based on available data, the classification criteria are not met.		
Carcinogenicity	Based on available data, the classification criteria are not met.		
Reproductive toxicity	Oral	NOAEL (teratogenicity)	1,000 mg/kg bw/d
	Oral	NOAEL (fertility)	1,000 mg/kg bw/d
STOT-single exposure	No information available		
STOT-repeated exposure	Oral	NOAEL (subchronic)	1,000 mg/kg bw/day (rat)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

LC50(48h)	>10,000 mg/L (Ieciscus idus) (DIN 38412 Teil 15)
EC50(47h) (static)	>32 mg/L (daphnia magna) (EU Method C.2)
NOEC (3d) (static)	1,016 mg/L (Desmodesmus subspicatus(algae)) (OECD 201 (CAS 57-10-3))
NOEC(21D)	>0.22 mg/L (daphnia magna) (OECD 211 (CAS57-10-3))

12.2 Persistence and degradability

Readily biodegradable

12.3 Bioaccumulation potential

Does not accumulate in organisms

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and VPB assessment

No

12.6 Other adverse effects

None



Stearic Acid

SECTION 13: Disposal considerations

13.1 Waste Treatment Methods

Recommendation: Must be specially treated adhering to official regulations.

SECTION 14: Transport information

Warning Icon	Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO) transport not restricted in drums or food tanks.
Proper Shipping Name	None
UN No. Road	None
ADR Class	None
Hazard No (ADR)	None
Hazchem Code	None
UN No. SEA	None
IMDG Class	None
IMDG Pack Gr.	None
EMS	None
UN No. AIR	None
Air Class	None
Air Pack Gr.	None

SECTION 15: Regulatory information

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

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

GHS label elements - Void
 Hazard pictograms - Void
 Signal word - Void
 Hazard statements - Void

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

National regulations:

Other regulations, limitations and prohibitive regulations.

Positive Country Substance Listing USA (TSCA), Canada (DSL), Europe (EINECS), Japan (ENCS), Australia (AICS), Korea (ECL), China (IECSC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (CSNN).

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Safety, health and environmental regulations/legislation specific for the substance or mixture · GHS label elements Void · Hazard pictograms Void · Signal word Void · Hazard statements Void · Directive 2012/18/EU · Named dangerous substances - ANNEX I Substance is not listed. · National regulations: · Other regulations, limitations and prohibitive regulations Positive Country Substance Listing USA (TSCA), Canada (DSL), Europe (EINECS), Japan (ENCS), Australia (AICS), Korea (ECL), China (IECSC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (CSNN) · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

15.2 Chemical safety assessment

Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.

SECTION 16: Other information

Disclaimer:

All the information in this leaflet is to the best of our knowledge. However, neither can we guarantee the accuracy of any of the information or data contained within. It is not, and should not be construed as, a guarantee or warranty, or a part of our contractual or other legal obligations. We assume no responsibility for any loss, damage or expense, direct or consequential arising out of the use of this product.

Date last revised	2019/06/27
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