

Safety information sheet

Version: 1.0 EN

Vegetable-based soap flakes

Article number: D10486

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	Vegetable-based soap flakes
CAS number	61790-79-2, 7732-18-5, 61789-89-7, 56-81-5, 7647-14-5, 77-92-9/5949-29-1, 68-04-2/6132-04-3, 51981-21-6, 1310- 73-2
EC number	263-162-3, 231-791-2, 263-097-0, 200-289-5, 231-598-3, 201-069-1, 201-383-8, 200-675-3, 612-118-5, 257-573-7, 215-185-5
REACH registration	-

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

Description/use	The product is intended for industrial and cosmetical use. For further information on specific applications, please contact us at the telephone number provided – 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
Address	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

The mixture does not contain any PBT and/or vPvB substances $\geq 0.1\%$ according to the criteria of REACH Annex XIII.

Component	Assessment
Substances that do not meet the PBT criteria according to REACH Annex XIII	Glycerol (56-81-5)
Substances that do not meet the vPvB criteria according to REACH Annex XIII	Glycerol (56-81-5)
Substances without endocrine-disrupting properties according to REACH Article 59(1) and Regulation (EU) 2017/2100 or Regulation (EU) 2018/605	Glycerol (56-81-5)

3 Composition/information on ingredients

Chemical characterization:	Vegetable-based soap flakes
CAS number	61790-79-2, 7732-18-5, 61789-89-7, 56-81-5, 7647-14-5, 77-92-9/5949-29-1, 68-04-2/6132-04-3, 51981-21-6, 1310-73-2
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REACH registration	-
Hazardous ingredients	-
Nanoparticles	No nanoparticles according to Regulation (EU) 2018/1881

4 First-aid measures

4.1 Description of first-aid measures

In all cases of doubt or if symptoms persist, seek medical attention.

After eye contact

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Remove contact lenses. Rinse eyes under running water, keeping eyelids open. If irritation persists, seek medical attention.

After skin contact

Wash thoroughly with water. If irritation persists, seek medical advice.

Inhalation or ingestion

Move the person to fresh air and ensure unobstructed breathing. If feeling unwell, call a poison control centre or a doctor.

First-aider's self-protection

First-aiders should ensure their own safety and use the recommended personal protective equipment (see Section 8).

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

Foam, dry powder, water spray

Unsuitable extinguishing agents

Full water jet

5.2 Special hazards arising from the substance or mixture

In the event of a fire, toxic fumes may be released: carbon monoxide, carbon dioxide.

5.3 Advice for firefighters

Protective equipment for firefighting

Use self-contained breathing apparatus. Wear protective clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Emergency measures

Ventilate the contaminated area.

Protective equipment

Do not attempt to take action without suitable protective equipment. For further information, see Section 8 'Exposure controls and personal protective equipment'.8.

6.2 Environmental precautions

Prevent penetration into the ground. Prevent entry into the sewerage system and public waterways.

6.3 Methods and material for containment and cleaning up

Clean-up procedures

Collect mechanically (wipe up, sweep up) and place in suitable containers for disposal.

Other information

Disposal must be carried out 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 the workplace is well ventilated. Wear personal protective equipment.

Hygiene measures

Do not eat, drink or smoke whilst using the product. Always wash your hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a well-ventilated place. Keep cool.

Storage temperature

12–27 °C

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Storage instructions

Keep away from food, drink and animal feed.

7.3 Specific end uses

No data available.

8 Exposure controls/personal protective equipment

8.1 Parameters to be monitored

8.1.1 National occupational exposure limits and biological limit values

Substance	Parameter	Value
Glycerol (56-81-5)	Local designation	Glycerin
Glycerol (56-81-5)	AGW (OEL TWA)	200 mg/m ³ (E)
Glycerol (56-81-5)	Peak limitation exceedance factor	2(l)
Glycerol (56-81-5)	Legal reference	TRGS 900

8.1.2 Recommended monitoring procedures

No data available.

8.1.3 Airborne pollutants released

No data available.

8.1.4 DNEL and PNEC values

No data available.

8.1.5 Control banding

No data available.

8.2 Limitation and monitoring of exposure

8.2.1 Appropriate engineering controls

Ensure adequate room ventilation.

8.2.2 Personal protective equipment

8.2.2.1 Respiratory protection

Use suitable respiratory protection if ventilation is inadequate. If dust is generated, the use of a P2-type dust mask in accordance with EN 143 is recommended. Guidance on conditions of use and maximum permissible exposure concentrations can be found in DGUV Rule 112-190 "Use of Respiratory Protective Equipment". Respiratory protection measures should only be used as a supplementary measure if technical measures to reduce exposure, such as extraction or containment at the source of the hazard, are insufficient.

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8.2.2.2 Skin and body protection

Wear suitable protective clothing when working. EN ISO 13688.

8.2.2.3 Hand protection

Wear gloves in the event of repeated or prolonged contact. ISO 374-1. The glove material must be selected in accordance with the relevant working conditions (e.g. chemical resistance, product compatibility, antistatic properties).

Follow the glove manufacturer's instructions regarding use, storage, care and replacement. Damaged or worn gloves must be replaced immediately. Where possible, organise work processes so that the continuous wearing of gloves is not necessary.

8.2.2.4 Eye protection

Wear tightly-fitting safety goggles in accordance with ISO 16321-1.

8.2.2.5 Thermal hazards

No data available.

8.2.3 Environmental exposure controls and monitoring

Avoid release into the environment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Solid, flakes
Colour	White
Odour	Characteristic
Odour threshold	No data available
pH value	No data available
Freezing point	No data available
Boiling point	No data available
Melting point	No data available
Explosive properties	The product is not considered to be explosive. However, explosive dust-air mixtures may form.
Oxidising properties	Not oxidising
Decomposition temperature	No data available
Flash point	No data available
Ignition temperature	No data available
Decomposition temperature	No data available
Flammability	No data available
Lower and upper explosion limits	No data available

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Vapour pressure	No data available
Density and/or relative density	No data available
Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Particle properties	No data available

9.2 Other information

9.2.1 Information on physical hazard classes

No data available.

9.2.2 Other safety parameters

Property	Specification
Evaporation rate (Butyl acetate = 1)	Not applicable
Other properties	Total Fatty Matter (TFM): 73–77%

10 Stability and reactivity

10.1 Reactivity

No hazardous reactions are expected if handled and used as intended.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions are known under normal conditions of use.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No hazardous decomposition products are formed when stored, handled and transported in accordance with the intended use.

11 Toxicological information

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

Acute oral toxicity	No data available
Acute dermal toxicity	No data available

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Acute inhalation toxicity	No data available
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

No information available

11.2.1 Endocrine disrupting properties

No information available

11.2.2 Other information

No information available

12 Environmental information

12.1 Toxicity

No data available

12.2 Persistence and degradability

Substance/Product	Property	Specification
Plant-based soap flakes	Persistence and degradability	The product has not been tested.
Glycerol (56-81-5)	Persistence and degradability	Readily biodegradable
Glycerol (56-81-5)	Biodegradation	94% (24 h; activated sludge; industrial)

12.3 Bioaccumulative potential

Substance	Property	Specification
Glycerol (56-81-5)	Partition coefficient n-octanol/water (Log Kow)	-1.75 (25 °C; pH 7.4)

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Glycerol (56-81-5)	Bioaccumulation potential	Bioaccumulation is not expected.
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12.4 Mobility in soil

Substance	Property	Specification
Glycerol (56-81-5)	Surface tension	Approx. 63.4 mN/m (20°C)

12.5 Results of PBT and vPvB assessment

Component	Assessment
Substances that do not meet the PBT criteria according to REACH Annex XIII	Glycerol (56-81-5)
Substances that do not meet the vPvB criteria according to REACH Annex XIII	Glycerol (56-81-5)

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

13 Disposal instructions

13.1 Waste treatment methods

Product

The product must be disposed of in accordance with the applicable regulations and in consultation with the relevant authorities and waste management companies.

The product must not be allowed to enter the drainage system or the environment.

Do not dispose of with household waste.

Packaging

Recycle or dispose of in accordance with the applicable legal requirements.

14 Transport information

14.1 UN number or ID number

No information available

14.2 Proper UN shipping name

No information available

14.3 Transport hazard classes

No information available

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14.4 Packaging group

No information available

14.5 Environmental hazards

No information available

14.6 Special precautions for user

Land transport	Not applicable
Sea transport	Not applicable
Air transport	Not applicable
Inland waterway transport	Not applicable
Rail transport	Not applicable

14.7 Mass transport by sea in accordance with IMO regulations No data available.

Not relevant

15 Legislation

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

15.1.1 EU regulations

- REACH Annex XVII (Restriction List): Does not contain any substances restricted under REACH Annex XVII.
- REACH Annex XIV (Authorisation List): Does not contain any substances listed in REACH Annex XIV.
- REACH Candidate List (SVHC): Does not contain any substances included on the REACH Candidate List.
- PIC Regulation (EU 649/2012): Does not contain any substances subject to the PIC Regulation concerning the export and import of hazardous chemicals.
- POP Regulation (EU 2019/1021): Does not contain any substances listed as persistent organic pollutants.
- Ozone Regulation (EU 2024/590): Does not contain any substances listed as ozone-depleting substances.
- Dual-Use Regulation: Does not contain any substances subject to dual-use goods regulations.
- Explosives Precursors Regulation (EU 2019/1148): Does not contain any substances covered by this regulation.
- Drug Precursors Regulation (EC 273/2004): Does not contain any substances listed in the regulation on drug precursors..

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15.1.2 National regulations

- National regulations and recommendations:
 - TRGS 510: Storage of hazardous substances in portable containers.
 - TRGS 900: Occupational exposure limit values.
- Water hazard class (WGK):
 - WGK 1 – slightly hazardous to water (according to AwSV, Annex 1).
- Storage class (LGK, TRGS 510):
 - LGK 13 – Non-combustible solids.
- Major Accidents Ordinance (12th BImSchV):
 - Not listed in the Major Accidents Ordinance.

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

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods Code

IATA – International Air Transport Association

GHS – Globally Harmonised System of Classification and Labelling of Chemicals

EINECS – European Inventory of Existing Commercial Chemical Substances

CAS – Chemical Abstracts Service

EC50 – Effective concentration, 50%

LC50 – Lethal concentration, 50%

LD50 – Lethal dose, 50%

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

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

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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.