

Safety data sheet

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Safety data sheet according to Regulation (EC) No. 1907/2006
Date / Revised: 28.06.2012
Product: **Lederweicher SR Konzentrat**

Version: 4.0

Date of print 06.10.2014

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

Product identifier

Lederweicher SR Konzentrat

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

Relevant identified uses: Raw material for the chemical-technical industry

Details of the supplier of the safety data sheet

Company:
Fritz Minke GmbH & Co. KG
Cecilienstr. 31
47051 Duisburg
GERMANY

Telephone: +49 (0) 203 / 28101-0
E-mail address: info@minke.de

Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

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2. Hazards Identification

Label elements

| Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

| H318 Causes serious eye damage.
H315 Causes skin irritation.

Precautionary Statements (Prevention):

| P280f Wear protective gloves and eye/face protection.
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P303 + P352 IF ON SKIN (on hair): Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: sodium-di-ethyl-hexyl-sulfosuccinate

According to Directive 67/548/EEC or 1999/45/EC

Regulation 1272/2008/EC on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation 1907/2006/EC

Hazard symbol(s)

Xi Irritant.



R-phrases(s)

R38 Irritating to skin.
R41 Risk of serious damage to eyes.

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S-phrase(s)

S37/39

Wear suitable gloves and eye/face protection.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

Hazard determining component(s) for labelling: sodium-di-ethyl-hexyl-sulfosuccinate

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

| Skin Corr./Irrit. 2
| Eye Dam./Irrit. 1

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:

Risk of serious damage to eyes.

Irritating to skin.

For the classifications not written out in full in this section the full text can be found in section 16.

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/Information on Ingredients

Mixtures

Chemical nature

anionic surfactants, in water/solvent

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

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Docusate sodium

Content (W/W): $\geq 50\%$ - $\leq 60\%$ Skin Corr./Irrit. 2
 CAS Number: 577-11-7 Eye Dam./Irrit. 1
 EC-Number: 209-406-4 H318, H315
 REACH registration number: 01-2119491296-29

2,2-Dimethylpropane-1,3-diol

Content (W/W): $\geq 5\%$ - $\leq 10\%$ Eye Dam./Irrit. 1
 CAS Number: 126-30-7 H318
 EC-Number: 204-781-0
 REACH registration number: 01-2119480396-30

Bis(2-ethylhexyl) maleate

Content (W/W): $\geq 5\%$ - $\leq 10\%$ STOT RE (Kidney) 2 (oral)
 CAS Number: 142-16-5 Aquatic Acute 1
 EC-Number: 205-524-5 Aquatic Chronic 1
 M-factor acute: 1
 M-factor chronic: 1 H400, H410, H373

Hazardous ingredients

according to Directive 1999/45/EC

Docusate sodium

Content (W/W): $\geq 50\%$ - $\leq 60\%$
 CAS Number: 577-11-7
 EC-Number: 209-406-4
 REACH registration number: 01-2119491296-29
 Hazard symbol(s): Xi
 R-phrases: 38, 41

2,2-Dimethylpropane-1,3-diol

Content (W/W): $\geq 5\%$ - $\leq 10\%$
 CAS Number: 126-30-7
 EC-Number: 204-781-0
 REACH registration number: 01-2119480396-30
 Hazard symbol(s): Xi
 R-phrases: 41

Bis(2-ethylhexyl) maleate

Content (W/W): $\geq 5\%$ - $\leq 10\%$
 CAS Number: 142-16-5
 EC-Number: 205-524-5
 Hazard symbol(s): Xn, N
 R-phrases: 50/53, 48/22

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For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

4. First-Aid Measures

Description of first aid measures

Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: water spray, dry powder, foam

Special hazards arising from the substance or mixture

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special

protective equipment:

Wear a self-contained breathing apparatus.

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Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see, chapter 8.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: Low density polyethylene (LDPE), Stainless steel 1.4301 (V2), Stainless steel 1.4401, glass, High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

The product is not damaged by low temperatures or by frost.

Protect from temperatures above: 70 °C

Properties of the product change irreversibly on exceeding the limit temperature.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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8. Exposure Controls/Personal Protection

Control parameters

Components with PNEC

126-30-7: 2,2-Dimethylpropane-1,3-diol
 freshwater: 5 mg/l marine water: 0.5 mg/l
 intermittent release: 5 mg/l sediment
 (freshwater): 18.5 mg/kg
 sediment (marine water): 1.85 mg/kg soil: 0.764 mg/kg
 STP: 20 mg/l

577-11-7: Docusate sodium
 freshwater: 0.0066 mg/l marine water:
 0.00066 mg/l
 intermittent release: 0.066 mg/l
 STP: 122 mg/l
 sediment (freshwater): 0.653 mg/kg sediment (marine
 water): 0.0653 mg/kg soil: 0.138 mg/kg

142-16-5: Bis(2-ethylhexyl) maleate
 sediment (freshwater): 0.00104 mg/l sediment (marine
 water): 0.000104 mg/l sediment (freshwater): 15.95 mg/kg
 sediment (marine water): 1.595 mg/kg
 intermittent release: 0.00619 mg/l
 STP: 100 mg/l
 soil: 3.19 mg/kg
 oral (secondary poisoning): 20 mg/kg

Components with DNEL

126-30-7: 2,2-Dimethylpropane-1,3-diol
 worker: Long-term exposure- systemic effects, Inhalation: 8.7 mg/m³ worker: Long-term
 exposure- systemic effects, dermal: 5 mg/kg consumer: Long-term exposure- systemic
 effects, dermal: 2.5 mg/kg consumer: Long-term exposure- systemic effects,
 Inhalation: 2.9 mg/m³

577-11-7: Docusate sodium
 worker: Long-term exposure- systemic effects, dermal: 31.3 mg/kg worker: Long-term
 exposure- systemic effects, Inhalation: 44.1 mg/m³ consumer: Long-term exposure-
 systemic effects, dermal: 18.8 mg/kg consumer: Long-term exposure- systemic effects,
 Inhalation: 13 mg/m³ consumer: Long-term exposure- systemic effects, oral: 18.8 mg/kg

142-16-5: Bis(2-ethylhexyl) maleate
 worker: Long-term exposure- systemic effects, dermal: 0.42 mg/kg worker: Long-
 term exposure- systemic effects, Inhalation: 1.95 mg/m³ worker: Long-term exposure -
 local effects, dermal: 3.91 mg/kg worker: Long-term exposure - local effects, Inhalation:
 1.95 mg/m³

Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid	
Colour:	yellowish	
Odour:	product specific	
Odour threshold:	No data available.	
pH value:	approx. 6.5 (50 g/l, 23 °C)	
solidification temperature:	approx. -15 °C	
Flash point:	> 100 °C	(DIN 51758)
Evaporation rate:	No data available.	
Flammability:	No data available.	
Ignition temperature:	> 200 °C	(DIN 51794)

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Vapour pressure: 20 mbar (20 °C)
97 mbar (50 °C)

Density: 1.11 g/cm³ (20 °C) (DIN 51757)

Relative density: No data available.

Relative vapour density (air): not determined

Solubility in water: moderately soluble

Solubility (qualitative) solvent(s): aromatic hydrocarbons soluble

Partitioning coefficient n-octanol/water (log Kow): 1.0

Viscosity, dynamic: approx. 250 mPa.s (23 °C)

Other information

Miscibility with water: miscible

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section., none

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:
caustics, halogens, Alkalines, acids, reactive chemicals

Hazardous decomposition products

Hazardous decomposition products:

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No hazardous decomposition products known.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 2,000 mg/kg

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

Serious eye damage/irritation rabbit: Risk of serious damage to eyes. (BASF-Test)

Other relevant toxicity information

Tested as a preparation.

12. Ecological Information

Toxicity

Toxicity to fish:

LC50 (96 h) 10 - 100 mg/l, *Leuciscus idus*

Aquatic invertebrates:

EC50 (48 h) 10 - 100 mg/l

Aquatic plants:

EC50 (72 h) > 100 mg/l

Microorganisms/Effect on activated sludge:

EC50 (96 h) > 10,000 mg/l (DIN 38412 Part 27 (draft))

Persistence and degradability

Elimination information:

> 90 % Methylene blue-active substance (mod. OECD 303A)

> 60 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (activated sludge, domestic) Readily biodegradable.

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Bioaccumulative potential

Assessment bioaccumulation potential:
Accumulation in organisms is not to be expected.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:
The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.

Results of PBT and vPvB assessment

According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

Additional information

Sum parameter

Chemical oxygen demand (COD): 1,660 mg/g

Biochemical oxygen demand (BOD) Incubation period 5 d: 135 mg/g

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

Other ecotoxicological advice:
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Tested as a preparation.

13. Disposal Considerations

Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Land transport

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

Inland waterway transport ADN

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xi Irritant.

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	Xn	Harmful.
		N Dangerous for the environment.
	38	Irritating to skin.
	41	Risk of serious damage to eyes.
50/53		Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
48/22		Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Skin Corr./Irrit.		Skin corrosion/irritation
Eye Dam./Irrit.		Serious eye damage/eye irritation
STOT RE		Specific target organ toxicity — repeated exposure
Aquatic Acute		Hazardous to the aquatic environment - acute Aquatic
Chronic		Hazardous to the aquatic environment - chronic
H318		Causes serious eye damage.
H315		Causes skin irritation.
H400		Very toxic to aquatic life.
H410		Very toxic to aquatic life with long lasting effects.
H373		May cause damage to organs (Kidney) through prolonged or repeated exposure (oral).

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.