

# Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 07.10.2024

Version: 3.0

Product: **Lumiten® I-SC EF**

(ID no. 30803735/SDS\_GEN\_00/EN)

Date of print 21.10.2025

## 1. Identification

### Product identifier

**Lumiten® I-SC EF**

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

Relevant identified uses: Raw material, for industrial use only

### Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Regional Business Unit Dispersions Europe

Telephone: +49 621 60-0

E-mail address: ed-psr@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

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Skin Irrit. 2  
 Eye Dam. 1  
 Aquatic Acute 2

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

## Label elements

### Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H401	Toxic to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye protection or face protection.
P273	Avoid release to the environment.
P264	Wash contaminated body parts 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 physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Labeling of special preparations (GHS):

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 18 - 19 %, dermal  
 The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 17 - 18 %, oral  
 The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 17 - 18 %, Inhalation - mist

### According to UN GHS criteria

Hazard determining component(s) for labelling: Docusate sodium, Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched

## Other hazards

### According to UN GHS criteria

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## 3. Composition/Information on Ingredients

### Substances

Not applicable

### Mixtures

#### Chemical nature

Docusate sodium

dissolved in: Water, alcohol ethoxylate

#### Hazardous ingredients (GHS)

According to UN GHS criteria

Docusate sodium

Content (W/W): 58 %  
CAS Number: 577-11-7  
EC-Number: 209-406-4

Acute Tox. 5 (oral)  
Skin Corr./Irrit. 2  
Eye Dam./Irrit. 1  
Aquatic Acute 2  
H318, H315, H303, H401

Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched

Content (W/W): 19,5 %  
CAS Number: 69011-36-5

Skin Irrit. 3  
Eye Irrit. 2B  
Aquatic Acute 2  
Aquatic Chronic 3  
H320, H316, H412, H401

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

## 4. First-Aid Measures

### Description of first aid measures

Remove contaminated clothing.

If inhaled:

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If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Immediately wash thoroughly with soap and water, seek medical attention.

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: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: No hazard is expected under intended use and appropriate handling.

### **Indication of any immediate medical attention and special treatment needed**

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

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:  
water spray, dry powder, foam, carbon dioxide

### **Special hazards arising from the substance or mixture**

No particular hazards known.

### **Advice for fire-fighters**

Special protective equipment:  
Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## **6. Accidental Release Measures**

### **Personal precautions, protective equipment and emergency procedures**

No data available.

**Environmental precautions**

No data available.

**Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

For large amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

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**7. Handling and Storage****Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

No special precautions necessary.

**Conditions for safe storage, including any incompatibilities**

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

Further information on storage conditions: Keep container tightly sealed. Upon storage at low temperatures phase separation might occur. In this case please warm up and homogenise.

**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 occupational exposure limits

104-76-7: 2-Ethylhexan-1-ol

577-11-7: Docusate sodium

**Exposure controls**Personal protective equipment

Respiratory protection:

Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. 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.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

#### General safety and hygiene measures

Wearing of closed work clothing is recommended. Avoid contact with skin and eyes.

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

State of matter:	liquid	
Form:	liquid	
Colour:	slightly yellowish	
Odour:	product specific	
Odour threshold:	not determined	
solidification temperature:	> -20 °C	
boiling temperature:	> 85 °C	
Flammability:	not flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Flash point:	> 100 °C	(DIN 51758)
Auto-ignition temperature:	> 200 °C	(DIN 51794)
Thermal decomposition:	No decomposition if used correctly.	
pH value:	4,5 - 7,5 (water, 100 g/l, 20 °C)	(DIN ISO 976)
Viscosity, dynamic:	not determined	
Solubility in water:	miscible	
Partitioning coefficient n-octanol/water (log Kow):	not applicable	
Vapour pressure:	> 50 mbar (50 °C)	
Relative density:	No data available.	
Density:	approx. 1,11 g/cm <sup>3</sup> (20 °C)	(ISO 2811-1)
Relative vapour density (air):	not applicable	

### 9.2. Other information

#### Information with regard to physical hazard classes

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Explosives

Explosion hazard: not explosive

Oxidizing properties

Fire promoting properties: not fire-propagating

Self-heating substances and mixtures

Self heating ability: It is not a substance capable of spontaneous heating.

**Other safety characteristics**

Miscibility with water:

miscible

Flow time: approx. 50 s  
(20 °C)

(DIN 53211)

Solids content: 77,0 - 79,0 %

(DIN EN ISO 3251)

SAPT-Temperature:

Product does not fulfil criteria for polymerizing substances according to transport regulations.

Evaporation rate:

Value can be approximated from Henry's Law Constant or vapor pressure.

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**10. Stability and Reactivity****Reactivity**

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

**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**

Avoid extreme temperatures.

**Incompatible materials**

Substances to avoid:

No data available.

**Hazardous decomposition products**

Hazardous decomposition products:

No data available.

## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.

Experimental/calculated data:

LD50 rat (oral): > 2.000 mg/kg

LD50 rabbit (dermal): > 10.000 mg/kg  
other TS

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 18 - 19 %

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 17 - 18 %

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 17 - 18 %

#### Irritation

Assessment of irritating effects:

Risk of serious damage to eyes. Irritating to skin.

Experimental/calculated data:

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

Serious eye damage/irritation rabbit: Irritant. (OECD Guideline 405)

#### Respiratory/Skin sensitization

Assessment of sensitization:

No sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Carcinogenicity

Assessment of carcinogenicity:

The whole of the information assessable provides no indication of a carcinogenic effect.



### Reproductive toxicity

Assessment of reproduction toxicity:

Not expected to cause reproductive toxicity (based on composition).

### Developmental toxicity

Assessment of teratogenicity:

The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

### Other relevant toxicity information

The product has not been tested. The statements are based on the properties of the individual components.

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## **12. Ecological Information**

### **Toxicity**

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms.

Toxicity to fish:

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

Aquatic invertebrates:

LC50 (48 h) 10 - 100 mg/l, *Daphnia magna*

Microorganisms/Effect on activated sludge:

EC10 (0,5 h) 10.000 mg/l, *Bacillus subtilis* (DIN 38412 Part 27 (draft))

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

### **Persistence and degradability**

Elimination information:

> 80 % Methylene blue-active substance Easily eliminated from water.

### **Bioaccumulative potential**

Bioaccumulation potential:

No data available.

### **Mobility in soil**

Assessment transport between environmental compartments:

Volatility: No data available.

### Other adverse effects

No data available.

### Additional information

Sum parameter

Chemical oxygen demand (COD): 1.500 mg/g

Biochemical oxygen demand (BOD) Incubation period 5 d: 140 mg/g

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

Other ecotoxicological advice:  
The product has not been tested. The statement has been derived from the properties of the individual components.

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## 13. Disposal Considerations

### Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependence on the usage.  
Observe national and local legal requirements.

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

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## 14. Transport Information

### Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

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**RID**

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**Inland waterway transport****ADN**

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

**Transport in inland waterway vessel**

Not evaluated

**Sea transport****IMDG**

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**Air transport****IATA/ICAO**

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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**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.

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**16. Other Information**

Any other intended applications should be discussed with the manufacturer.

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Skin Irrit.	Skin irritation
Eye Dam.	Serious eye damage
Aquatic Acute	Hazardous to the aquatic environment - acute
Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Eye Irrit.	Eye irritation
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H318	Causes serious eye damage.
H315	Causes skin irritation.
H303	May be harmful if swallowed.
H401	Toxic to aquatic life.
H320	Causes eye irritation.
H316	Causes mild skin irritation.
H412	Harmful to aquatic life with long lasting effects.

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. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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