

## Safety Data Sheet

in accordance with SANS

Printing date 24.02.2021

Revision: 09.11.2020

### 1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name: Perlastan L-30**
- **Article number: 205957**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture**  
Surfactant  
Anti-corrosion agent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Schill+Seilacher GmbH  
Schoenaicher Strasse 205  
D-71032 Boeblingen  
Tel.: +49 7031 282-0  
Fax: +49 7031 282-160
- **Informing department:**  
Product Safety Department  
Tel.: +49 7031 282-126, -330  
Fax: +49 7031 282-9251  
E-Mail: [product.safety@schillseilacher.de](mailto:product.safety@schillseilacher.de)
- **Emergency telephone number:** Tel.: +441865407333 NCEC

### 2 Hazards identification

- **Classification of the substance or mixture**  
Acute Tox. 4 H332 Harmful if inhaled.  
Eye Irrit. 2A H319 Causes serious eye irritation.
- **Label elements**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Sodium lauroyl sarcosinate
- **Hazard statements**  
H332 Harmful if inhaled.  
H319 Causes serious eye irritation.

#### · **Precautionary statements**

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P404 Store in a closed container.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### · **Classification system**

Following the outcome of the studies carried out for the purposes of REACH registration the substance sodium N-lauroyl sarcosinate (in pure form) has to be classified as: Acute Tox. 2, H 330; Skin Irrit 2; H 315; Eye Dam. 1, H 318; GHS06, Danger. While the pure substance has to be labelled as "Fatal if inhaled" (H 330), the other toxicity endpoints (i. e. for oral or dermal toxicity as well as for carcinogenic, mutagenic or reproductive toxicity effects) do not lead to any additional classification.

Furthermore, the effects observed with the inhalation route have been clearly identified as local effects on the lung tissues. The substance cannot be considered as systemically toxic. A study with the highest possible concentration in aqueous media ( = approx. 35 % w/w) resulted in an inhalative LC50 (4h) of 1 - 5 mg/L, leading to a classification as: Acute Tox. 4, H 332 ("Harmful if inhaled"). Therefore, aqueous solutions of sodium lauroyl sarcosinate (in any achievable concentration) are not to be considered to be toxic.

#### · **Other hazards**

#### · **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

#### · **Chemical characterisation: Mixtures**

· **Description:** Solution of sodium lauroyl sarcosinate

#### · **Dangerous components:**

- 137-16-6 Sodium lauroyl sarcosinate ≥25-<50%  
Acute Tox. 2, H330; Eye Dam. 1, H318; Skin Irrit. 2, H315  
Specific concentration limits: Skin Irrit. 2; H315: C ≥ 30 %  
Eye Dam. 1; H318: C ≥ 30 %  
Eye Irrit. 2; H319: 1 % ≤ C < 30 %

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

#### · **Description of first aid measures**

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; instantly call for medical help.

#### · **Information for doctor**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling** Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Do not store below 0 °C and above 40 °C
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**
- **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs**  
**137-16-6 Sodium lauroyl sarcosinate**  
Oral long term / systemic effects 0.15 mg/kg bw/d (Public)  
Inhalative long term / systemic effects 5 mg/m<sup>3</sup> (Public)  
5 mg/m<sup>3</sup> (Workers)
- **PNECs**  
**137-16-6 Sodium lauroyl sarcosinate**  
aqua 29.7 µg/L (freshwater)  
297 µg/L (intermittent water)  
3 µg/L (marine water)
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.  
Instantly remove any soiled and impregnated garments.  
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:** Use breathing protection only when aerosol or mist is formed.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Colour:	colourless to yellowish
Smell:	Characteristic
- **pH-value (100 g/l) at 20 °C:** 8.0 - 9.3
- **Change in condition**

Melting point/freezing point:	< 0 °C
Initial boiling point and boiling range:	~ 100 °C (H <sub>2</sub> O)

- **Flash point:** Not applicable
- **Self-inflammability:** Product is not self-ignitable
- **Explosive properties:** Product is not explosive.
- **Density at 20 °C** ~ 1.0 g/cm<sup>3</sup>
- **Solubility in / Miscibility with Water:** Soluble
- **Viscosity:**
  - dynamic:** Not determined.
  - kinematic:** Not determined.
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**
  - Oral LD50 >5,000 mg/kg (rat)
  - Inhalative LC50/4 h 1-5 mg/l (rat)
- **137-16-6 Sodium lauroyl sarcosinate**
  - Oral LD50 >5,000 mg/kg (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation**
  - No irritant effect.
  - Method: OECD 404
- **Serious eye damage/irritation**
  - Irritant effect.
  - Method: OECD 405
- **Respiratory or skin sensitisation** No sensitizing effect known.
- **Additional toxicological information:**
- **Repeated dose toxicity**
  - 137-16-6 Sodium lauroyl sarcosinate**
  - Oral NOAEL 30 mg/kg (rat)

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
  - LC50/96h 107 mg/l (Brachydanio rerio)
  - EC50/48h 29.7 mg/l (Daphnia magna)
  - EC50/3h >1,000 mg/l (activated sludge)
- **137-16-6 Sodium lauroyl sarcosinate**
  - LC50/96h 107 mg/l (Brachydanio rerio)
  - EC50/48h 29.7 mg/l (Daphnia magna)
  - EC50/72h 79 mg/l (Desmodesmus subspicatus)
  - EC50/3h >1,000 mg/l (activated sludge)
  - NOEC 9.2 mg/l (Desmodesmus subspicatus)
  - 50 mg/l (freshwater)

- **Persistence and degradability** Easily biodegradable
- **Degree of elimination:** > 80 % (OECD 301 F, 28 d)
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **COD value:** 640 mg O<sub>2</sub>/g
- **BOD5 value:** 440 mg O<sub>2</sub>/g
- **BOD28 value:** 610 mg O<sub>2</sub>/g
- **General notes:**  
The surfactant(s) contained in this preparation complies(comply) 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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household waste. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**Recommended cleaning agent:** Water, if necessary, with cleaning agent.

### 14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** Not applicable
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Not applicable
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Not applicable
- **Packing group**
- **ADR, IMDG, IATA** Not applicable
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** Not applicable

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Sodium lauroyl sarcosinate
- **Hazard statements**  
H332 Harmful if inhaled.  
H319 Causes serious eye irritation.
- **Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P404	Store in a closed container.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

## 16 Other information

- **Department issuing data specification sheet:** Product Safety Department -  
**Contact:**

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous

Goods IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

\* **Data compared to the previous version altered.**

Disclaimer: As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.