Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 02.09.2021 Version number 111 Revision: 02.09.2021

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

- **1.1 Product identifier**
- **Trade name Leracid® SAN 210**
- **Article number:** 1000535034800
- **UFI:** NV46-A04Q-T00C-A40G
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Cleaning agent / Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Stockmeier Chemie GmbH & Co. KG
Am Stadtholz 37
D - 33609 Bielefeld Tel.: +49/521/3037-0
- **Informing department:**
Product safety department. Tel.: 0049 / 521 / 3037-381
E-mail: ehs-bielefeld@stockmeier.de
- **1.4 Emergency telephone number:**
This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P280 Wear eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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Trade name Leracid® SAN 210

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SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions (aqueous solution).

- **Dangerous components:**

CAS: 5949-29-1 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	citric acid monohydrate Eye Irrit. 2, H319	≥2.5-<10%
CAS: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6 Reg.nr.: 01-2119485924-24	phosphoric acid Met. Corr.1, H290; Skin Corr. 1B, H314; Acute Tox. 4, H302	≥2.5-<10%
CAS: 78330-20-8 Polymer	alcohols C10, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	≥1-≤2.5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	≤1%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤1%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.
- **Composition/Ingredients**
Constituents according to EC-Regulation 648/2004:
< 5 % phosphates,
< 5 % non-ionic surfactants,
perfumes

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Wash skin with water using soap if available.If persistant irritation occurs, obtain medical attention.
- **After eye contact**
Rinse immediately 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.
- **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: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

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- ***5.3 Advice for firefighters***
- ***Protective equipment:***
  See section 8.
  Wear self-contained breathing apparatus.
- ***Additional information***
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- ***6.1 Personal precautions, protective equipment and emergency procedures***
  Wear protective equipment and keep unprotected persons away.
- ***6.2 Environmental precautions:***
  Do not allow to enter drainage system, surface or ground water.
  Dilute with much water.
  If large amounts are released, the authorities must be informed.
- ***6.3 Methods and material for containment and cleaning up:***
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose of contaminated material as waste according to item 13.
  Residues: rinse away with plenty of water.
- ***6.4 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.

SECTION 7: Handling and storage

- ***7.1 Precautions for safe handling*** *Avoid contact with eyes and skin.*
- ***Information about protection against explosions and fires:*** *No special measures required.*
- ***7.2 Conditions for safe storage, including any incompatibilities***
- ***Storage*** *Store in cool, dry conditions in well sealed containers.*
- ***Requirements to be met by storerooms and containers:***
  Observe official regulations on storage and handling of water harzardous substances
  Store in original containers or in PE-containers.
  Unsuitable materials: many metallics and metallic alloys
- ***Information about storage in one common storage facility:*** *Not required.*
- ***Further information about storage conditions:*** *Keep container tightly sealed.*
- ***Storage class*** *12 (VCI - Konzept, 2007)*
- ***7.3 Specific end use(s)*** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

- ***8.1 Control parameters***
- ***Additional information about design of technical systems:*** *No further data; see item 7.*

- **Components with critical values that require monitoring at the workplace:**	
7664-38-2 phosphoric acid	
IOELV (European Union)	Short-term value: 2 mg/m³ Long-term value: 1 mg/m³
111-76-2 2-butoxyethanol	
IOELV (European Union)	Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm Skin

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- **DNELs**

7664-38-2 phosphoric acid		
Inhalative	DNEL (worker)	2.92 mg/m³ (Long-term - local effects)
	DNEL (population)	0.73 mg/m³ (Long-term - local effects)
67-63-0 propan-2-ol		
Oral	DNEL (population)	26 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	888 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	319 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	500 mg/m³ (Long-term, systemic effects)
	DNEL (population)	89 mg/m³ (Long-term, systemic effects)
111-76-2 2-butoxyethanol		
Oral	DNEL (population)	26.7 mg/kg bw/day (Acute, systemic effects)
		6.3 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	89 mg/kg bw/day (Acute, systemic effects)
		125 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	89 mg/kg bw/day (Acute, systemic effects)
		75 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	1,091 mg/m³ (Acute, systemic effects)
		246 mg/m³ (Acute, local effects)
		98 mg/m³ (Long-term, systemic effects)
	DNEL (population)	426 mg/m³ (Acute, systemic effects)
		147 mg/m³ (Acute, local effects)
		59 mg/m³ (Long-term, systemic effects)

- **PNECs**

5949-29-1 citric acid monohydrate	
PNEC water	440 mg/l (water)
PNEC sediment	3.46 mg/kg dw (freshwater)
	34.6 mg/kg dw (Seawater)
PNEC soil	33.1 mg/kg dw (soil)
PNEC STP	>1,000 mg/l (sewage plant)
67-63-0 propan-2-ol	
PNEC water	140.9 mg/l (freshwater)
	140.9 mg/l (marine water)
PNEC	2,251 mg/l (sewage plant)
PNEC sediment	552 mg/kg dw (freshwater)
	552 mg/kg dw (marine water)
PNEC	140.9 (intermittent releases)
PNEC soil	28 mg/kg (soil)
111-76-2 2-butoxyethanol	
PNEC water	8.8 mg/l (freshwater)
	0.88 mg/l (marine water)
PNEC sediment	34.6 mg/kg dw (freshwater)
	3.46 mg/kg dw (marine water)

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PNEC soil	2.33 mg/kg dw (soil)
PNEC	9.1 (intermittent releases)
PNEC STP	463 mg/l (sewage plant)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from food, beverages and fodder.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
Gases, fumes and aerosols should not be inhaled.
- **Breathing equipment:**
Not necessary if room is well-ventilated.
Use breathing protection only when aerosol or mist is formed.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Standard protective working clothes

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**	
- **General Information**	
- **Appearance:**	
Form:	Fluid
Colour:	Red
- **Smell:**	perfumed
- **pH-value at 20 °C:**	1.5 - 1.7
- **Melting point/freezing point:**	Not determined
- **Initial boiling point and boiling range:**	> 80 °C
- **Flash point:**	> 60 °C
- **Self-inflammability:**	Product is not selfigniting.
- **Explosive properties:**	Product is not potentially explosive
- **Vapour pressure at 20 °C:**	< 25 hPa
- **Density at 20 °C**	1.025 g/cm³
- **Solubility in / Miscibility with** **Water:**	Fully miscible
- **Partition coefficient: n-octanol/water:**	No data available.
- **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.

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- ***10.3 Possibility of hazardous reactions*** *Reacts with base metals forming hydrogen*
- ***10.4 Conditions to avoid*** *No further relevant information available.*
- ***10.5 Incompatible materials:*** *Bases, base metal*
- ***10.6 Hazardous decomposition products:***
  None, if storage and handling is done according to specification.

SECTION 11: Toxicological information

- ***11.1 Information on toxicological effects***
- ***Acute toxicity*** *Based on available data, the classification criteria are not met.*

- **LD/LC50 values that are relevant for classification:**		
5949-29-1 citric acid monohydrate		
Oral	LD50	3,000 mg/kg (rat)
7664-38-2 phosphoric acid		
Oral	LD50	1,250 mg/kg (rat)
Dermal	LD50	2,740 mg/kg (rabbit)
78330-20-8 alcohols C10, ethoxylated		
Oral	LD50	>300-2,000 mg/kg (rat)
67-63-0 propan-2-ol		
Oral	LD50	5,840 mg/kg (rat) (OECD 401)
		4,570 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
		13,400 mg/kg (rab)
Inhalative	LC 50 / 4 h	30 mg/l (rat)
111-76-2 2-butoxyethanol		
Oral	LD50	1,414 mg/kg (guinea pig)
		1,000-2,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)
		1,000-2,000 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	450-900 mg/l (rat)

- ***Primary irritant effect:***
- ***Skin corrosion/irritation*** *Based on available data, the classification criteria are not met.*
- ***Serious eye damage/irritation***
  Causes serious eye irritation.
- ***Respiratory or skin sensitisation*** *Based on available data, the classification criteria are not met.*
- ***Subacute to chronic toxicity:***

- **STOT-repeated exposure:**		
5949-29-1 citric acid monohydrate		
Oral	NOAEL	1,200 mg/kg (rat)
67-63-0 propan-2-ol		
Oral	NOAEL	900 mg/kg (rat) ((90d) OECD 408)

- ***Additional toxicological information:***
- ***CMR effects (carcinogenity, 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*** *Based on available data, the classification criteria are not met.*

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- ***STOT-single exposure*** *Based on available data, the classification criteria are not met.*
- ***STOT-repeated exposure*** *Based on available data, the classification criteria are not met.*
- ***Aspiration hazard*** *Based on available data, the classification criteria are not met.*

SECTION 12: Ecological information

- ***12.1 Toxicity***

- ***Aquatic toxicity:***	
5949-29-1 citric acid monohydrate	
LC 50 / 96 h	440-760 mg/l (Leuciscus idus) (OECD 203)
EC 50 / 72 h	120 mg/l (Daphnia magna)
7664-38-2 phosphoric acid	
LC 50 / 96 h	98-106 mg/l (Lepomis macrochirus)
EC 50 / 48 h	>100 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC / 72 h	100 mg/l (Desmodesmus subspicatus) (OECD 201)
67-63-0 propan-2-ol	
LC 50 / 96 h	>10,000 mg/l (Pimephales promelas) (OECD 203 (Acute toxicity - fish))
LC 50 / 48 h	>100 mg/l (Leuciscus idus)
EC 50 / 48 h	>100 mg/l (Daphnia magna)
EC 50 / 16 h	1,050 mg/l (Pseudomonas putida) (DIN 38412 T.8)
EC 50 / 72 h	>100 mg/l (Scenedesmus subspicatus)
111-76-2 2-butoxyethanol	
LC 50 / 96 h	1,474 mg/l (Oncorhynchus mykiss) (OECD 203)
EC 50 / 48 h	1,550 mg/l (Daphnia magna) (OECD 202)
EC 50 / 16 h	>700 mg/l (Pseudomonas putida)
EC 50 / 72 h	911-1,840 mg/l (Pseudokirchneriella subcapitata)

- ***12.2 Persistence and degradability***

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.

5949-29-1 citric acid monohydrate	
Biodegradability	97 % (OECD 301 B) (28 d)
	98 % (Zahn-Wellens-Test (OECD 302 B))
67-63-0 propan-2-ol	
Biodegradability	49 % /BOD/ThBOD
Biodegradability	53 % /5 d, BSB5/CS (92/69/EG (L383) C.5 * Abbaubarkeit)
CSB	2.23 mg O2/g (Methode : Verordnung (EC) Nr. 440/2008, Anhang, C.)
BSB5	1.72 mg O2/g (Methode : Verordnung (EC) Nr. 440/2008, Anhang, C.)
111-76-2 2-butoxyethanol	
Biodegradability	95 % (OECD 301 E)

- ***12.3 Bioaccumulative potential*** *No further relevant information available.*
- ***12.4 Mobility in soil*** *No further relevant information available.*

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- ***Additional ecological information:***
- ***General notes:*** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*
- ***12.5 Results of PBT and vPvB assessment***
- ***PBT:*** *Not applicable.*
- ***vPvB:*** *Not applicable.*
- ***12.6 Other adverse effects*** *No further relevant information available.*

SECTION 13: Disposal considerations

- ***13.1 Waste treatment methods***
  The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.
- ***Recommendation***
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- ***Waste disposal key number:***
  Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
- ***Uncleaned packagings:*** *Disposal must be made according to official regulations.*
- ***Recommendation:***
  Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.
  Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: Transport information

- ***14.1 UN-Number***	
- ***ADR/RID, IMDG, IATA***	*Void*
- ***14.2 UN proper shipping name***	
- ***ADR/RID, IMDG, IATA***	*Void*
- ***14.3 Transport hazard class(es)***	
- ***ADR/RID, IMDG, IATA***	
- ***Class***	*Void*
- ***14.4 Packing group***	
- ***ADR/RID, IMDG, IATA***	*Void*
- ***14.5 Environmental hazards:***	*Not applicable.*
- ***Marine pollutant:***	*No*
- ***14.6 Special precautions for user***	*Not applicable.*
- ***14.7 Transport in bulk according to Annex II of Marpol and the IBC Code***	*Not applicable.*
- ***Transport/Additional information:***	*Not dangerous according to the above specifications.*
- ***UN "Model Regulation":***	*Void*

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P280 Wear eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **National regulations**
- **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

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

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Application:** Directions for use: please refer to the Technical Information Sheet
- **UFI market placements:**
Germany, Bulgaria, Denmark, ESE, Finland, France, Greece, Ireland, ISE, Croatia, Lithuania, Malta, Netherland, Norway, Germany, Poland, Portugal, Romania, Sweden, Slovakia, Slovenia, Spain, Czechia, Cyprus
- **Relevant phrases**
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

- **Department issuing data specification sheet:** see item 1: Informing department
- **Abbreviations and acronyms:**
NOAEL: No Observed Adverse Effect Level
RPE: Respiratory Protective Equipment

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RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
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
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
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)
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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