

**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 1

Compilation date: 03.08.2020

Revision No: 1

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** NANOLEX PROFESSIONAL PREWASH CONCENTRATE

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

**Use of substance / mixture:** PC35: Washing and cleaning products (including solvent based products).

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Infinitec GmbH

Matzenberg 171

Saarbrücken

D-66115

Germany

**Tel:** +4968198 800306

**Email:** [a.neuner@infinitec-gmbh.de](mailto:a.neuner@infinitec-gmbh.de)

**1.4. Emergency telephone number**

**Emergency tel:** Medical Emergency information in case of poisoning: Poison Information Center Mainz -  
24h - Phone: +49 (0) 6131 19240 (advisory service in German or English language)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Aquatic Chronic 3: H412; Skin Corr. 1A: H314

**Most important adverse effects:** Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H314: Causes severe skin burns and eye damage.

H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS05: Corrosion



**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**SAFETY DATA SHEET**

## NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 2

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P264: Wash hands, forearms and face thoroughly after handling.

P273: Avoid release to the environment.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**
**3.2. Mixtures**
**Hazardous ingredients:**
**KOKOSALKYL(FRAKTIONIERT)DIMETHYLAMINOXID**

EINECS	CAS	PBT / WEL	CLP Classification	Percent
263-016-9	61788-90-7	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411; Aquatic Acute 1: H400	1-10%

**AMIDES, C8-18, C18-UNSATURATED, N,N-BIS(HYDROXYETHYL)**

-	68155-07-7	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411	1-10%
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**ALCOHOL, C13, ETHOXYLATED**

-	9043-30-5	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Acute Tox. 4: H302+H312; Acute Tox. 4: H302+H312+H332; Acute Tox. 4: H302+H332; Acute Tox. 4: H312; Acute Tox. 4: H312+H332; Acute Tox. 4: H332	1-10%
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**TETRAPOTASSIUM PYROPHOSPHATE**

-	7320-34-5	-	Met. Corr. 1: H290; Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%
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**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 3

B-ALANIN, N-(2-AMINOETHYL)-N-(2-HYDROXYETHYL)-,N-KOKOS-ACYLDERIVATE, MNS

-	93820-52-1	-	Eye Irrit. 2: H319	1-10%
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SODIUM HYDROXIDE

215-185-5	1310-73-2	-	Skin Corr. 1A: H314	1-10%
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**Section 4: First aid measures**
**4.1. Description of first aid measures**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**Section 5: Fire-fighting measures**
**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 4

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 5

**Workplace exposure limits:**
**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	2 mg/m <sup>3</sup>	-	-

**DNEL/PNEC Values**
**Hazardous ingredients:**
**KOKOSALKYL(FRAKTIONIERT)DIMETHYLAMINOXID**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	15,5	Workers	Systemic
DNEL	Dermal	11 mg/kg	Workers	Systemic
DNEL	Inhalation	3,8	Consumers	Systemic
DNEL	Dermal	5,5 mg/kg	Consumers	Systemic
DNEL	Oral	0,44	Consumers	Systemic
PNEC	Fresh water	0,0335 mg/ml	-	-
PNEC	Marine water	0,00335 mg/ml	-	-
PNEC	Microorganisms in sewage treatment	24 mg/ml	-	-
PNEC	Fresh water sediments	1,14 mg/kg	-	-
PNEC	Marine sediments	0,114 mg/kg	-	-
PNEC	Soil (agricultural)	0,906 mg/kg	-	-
PNEC	Food chain	11,1 mg/kg	-	-

**AMIDES, C8-18, C18-UNSATURATED, N,N-BIS(HYDROXYETHYL)**

Type	Exposure	Value	Population	Effect
DNEL	Oral	6,25 mg/kg	General Population	Systemic
DNEL	Dermal	2,5 mg/ml	General Population	Systemic
DNEL	Dermal	4,16 mg/ml	Workers	Systemic
DNEL	Inhalation	21,7	General Population	Systemic
DNEL	Inhalation	73,4	Workers	Systemic
PNEC	Soil (agricultural)	0,0348 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	830 mg/kg	-	-
PNEC	Fresh water	0,007 mg/l	-	-
PNEC	Marine water	0,0007 mg/l	-	-
PNEC	Fresh water sediments	0,195 mg/kg	-	-
PNEC	Marine sediments	0,0195 mg/kg	-	-

**8.2. Exposure controls**
**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

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**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid  
**Colour:** Pale yellow  
**Odour:** Characteristic odour  
**pH:** 14

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**KOKOSALKYL(FRAKTIONIERT)DIMETHYLAMINOXID**

DERMAL	RBT	LD50	300-2000	mg/kg
ORAL	RAT	LD50	2000	mg/kg

**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 7

**AMIDES, C8-18, C18-UNSATURATED, N,N-BIS(HYDROXYETHYL)**

DERMAL	RBT	LD50	2000	mg/kg
ORAL	RAT	LD50	5000	mg/kg

**ALCOHOL, C13, ETHOXYLATED**

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	556	mg/kg

**TETRAPOTASSIUM PYROPHOSPHATE**

DERMAL	RBT	LD50	4640	mg/kg
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**B-ALANIN, N-(2-AMINOETHYL)-N-(2-HYDROXYETHYL)-,N-KOKOS-ACYLDERIVATE, MNS**

ORAL	RAT	LD50	2000	mg/kg
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**SODIUM HYDROXIDE**

IPR	MUS	LD50	40	mg/kg
ORL	RBT	LDLO	500	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information**
**12.1. Toxicity**
**Hazardous ingredients:**
**KOKOSALKYL(FRAKTIONIERT)DIMETHYLAMINOXID**

Daphnia magna	48H EC50	1-10	mg/l
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**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 8

FISH	96H LC50	1-10	mg/l
GREEN ALGA (Selenastrum capricornutum)	48H EC50	0,1-1	mg/l

**AMIDES, C8-18, C18-UNSATURATED, N,N-BIS(HYDROXYETHYL)**

ALGAE	48H EC50	18,8	mg/l
Daphnia magna	48H EC50	3,2	mg/l
FISH	96H LC50	2,4	mg/l

**ALCOHOL, C13, ETHOXYLATED**

Daphnia magna	48H EC50	>1-10	mg/l
FISH	96H LC50	>1-10	mg/l
GREEN ALGA (Selenastrum capricornutum)	48H EC50	>1-10	mg/l

**TETRAPOTASSIUM PYROPHOSPHATE**

RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>100	mg/l
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**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**
**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**



**SAFETY DATA SHEET**

NANOLEX PROFESSIONAL PREWASH CONCENTRATE

Page: 9

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

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H290: May be corrosive to metals.

H302: Harmful if swallowed.

H302+H312: Harmful if swallowed or in contact with skin

H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled

H302+H332: Harmful if swallowed or if inhaled

H312: Harmful in contact with skin.

H312+H332: Harmful in contact with skin or if inhaled

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.