

SAFETY DATA SHEET
NANOLEX REACTIVATING SHAMPOO

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Compilation date: 03.03.2020

Revision No: 1

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

1.1. Product identifier

Product name: NANOLEX REACTIVATING SHAMPOO

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: Infnitec GmbH
Matzenberg 171
Saarbrücken
D-66115
Germany

Tel: +4968198 800306

Email: a.neuner@infnitec-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: Eye Dam. 1: H318; Aquatic Chronic 3: H412; -: EUH208

Most important adverse effects: Contains orange terpenes. May produce an allergic reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains orange terpenes. May produce an allergic reaction.
H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P273: Avoid release to the environment.

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

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call POISON CENTER/doctor.

P501: Dispose of contents/container to hazardous or special waste collection point.

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:

POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-(2-PROPYLHEPTYL)-.OMEGA.-HYDROXY-

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	160875-66-1	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Acute 1: H400; 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%

PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%
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2-BUTOXYETHANOL

203-905-0	111-76-2	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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AMINES, FATTY ALKYL DIMETHYL, N-OXIDES

-	-	-	Eye Dam. 1: H318; Aquatic Acute 1: H400; Skin Irrit. 2: H315	<1%
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ETHOXYLATED OLEYL/CETYL ALCOHOL

-	68920-66-1	-	Skin Irrit. 2: H315; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	<1%
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LAURYLPROPYLENDIAMIN

-	5538-95-4	-	Acute Tox. 4: H302+H312+H332; Skin Corr. 1A: H314; Aquatic Acute 1: H400; Acute Tox. 4: H302; Acute Tox. 4: H302+H312; Acute Tox. 4: H302+H332; Acute Tox. 4: H312; Acute Tox. 4: H312+H332; Acute Tox. 4: H332	<1%
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ORANGE TERPENES

-	8028-48-6	-	Flam. Liq. 3: H226; Resp. Sens. 1: H334; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317	<1%
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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. Wash immediately with plenty of soap and water.

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. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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: In combustion emits toxic fumes.

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

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: 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: 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. 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:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

2-BUTOXYETHANOL

UK	25 ppm	50 ppm	-	-
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DNEL/PNEC Values

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Hazardous ingredients:
PROPAN-2-OL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	888mg/kg	Workers	Systemic
DNEL	Inhalation	500mg/kg	Workers	Systemic
PNEC	Fresh water	140,9mg/l	-	-
PNEC	Marine water	140,9mg/l	-	-
PNEC	Microorganisms in sewage treatment	2.251mg/l	-	-
PNEC	Fresh water sediments	552mg/kg	-	-
PNEC	Marine sediments	552mg/kg	-	-
PNEC	Water	160mg/kg	-	-
PNEC	Soil (agricultural)	28mg/kg	-	-

2-BUTOXYETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	246 mg/m	Workers	Local
DNEL	Inhalation	89 mg/kg	Workers	Systemic
DNEL	Inhalation	1,091 mg/m	Workers	Systemic
DNEL	Inhalation	125 mg/kg	Workers	Systemic
DNEL	Inhalation	98 mg/m	Workers	Systemic
PNEC	Fresh water	8,8 mg/l	-	-
PNEC	Marine water	0,88 mg/l	-	-
PNEC	Microorganisms in sewage treatment	463 mg/l	-	-
PNEC	Soil (agricultural)	2,33 mg/kg	-	-

ORANGE TERPENES

Type	Exposure	Value	Population	Effect
DNEL	Oral	4,44 mg/kg bw/day	General Population	Systemic
DNEL	Dermal	8,89 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	4,44 mg/kg bw/day	General Population	Systemic
DNEL	Inhalation	31,1 mg/m ³	Workers	Systemic
DNEL	Inhalation	7,78 mg/m ³	General Population	Systemic
PNEC	Fresh water	0,0054 mg/l	-	-
PNEC	Marine water	0,00054 mg/ml	-	-
PNEC	Microorganisms in sewage treatment	2,1 mg/l	-	-
PNEC	Soil (agricultural)	0,261 mg/kg dw	-	-

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PNEC	Fresh water	1,3 mg/kg dw	-	-
PNEC	Marine water	0,12 mg/kg dw	-	-

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: Protective gloves.

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

Skin protection: Protective clothing.

Section 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Yellow-tan

Odour: Pleasant

pH: 6

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

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Hazardous ingredients:
POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-(2-PROPYLHEPTYL)-.OMEGA.-HYDROXY-

ORAL	RAT	LD50	>300-2000	mg/kg
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PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

2-BUTOXYETHANOL

IVN	RAT	LD50	307	mg/kg
ORL	MUS	LD50	1230	mg/kg
ORL	RAT	LD50	470	mg/kg

ETHOXYLATED OLEYL/CETYL ALCOHOL

ORAL	RAT	LD50	>5000	mg/kg
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ORANGE TERPENES

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	4,400	mg/kg

Relevant hazards for product:

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

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated

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STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

Section 12: Ecological information
12.1. Toxicity
Hazardous ingredients:
POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-(2-PROPYLHEPTYL)-.OMEGA.-HYDROXY-

Daphnia magna	48H EC50	10-100	mg/l
GREEN ALGA (Selenastrum capricornutum)	48H EC50	10-100	mg/l

PROPAN-2-OL

FISH	96H LC50	10.000	mg/l
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ETHOXYLATED OLEYL/CETYL ALCOHOL

FISH	96H LC50	1-10	mg/l
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ORANGE TERPENES

ALGAE	72H ErC50	150	µl/l
Daphnia magna	48H EC50	0,42	mg/l
FISH	96H LC50	0,72	mg/l

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.

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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

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: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
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.
H317: May cause an allergic skin reaction.

[cont...]

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H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

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.