

SAFETY DATA SHEET
NANOLEX MATTE 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 MATTE 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: Infinitec GmbH
Matzenberg 171
Saarbrücken
D-66115
Germany

Tel: +4968198 800306

Email: 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: 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% |
|-----------|---------|---|---|-------|

2-BUTOXYETHANOL

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|-----------|----------|---|---|-------|
| 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% |
|-----------|----------|---|---|-------|

AMINES, FATTY ALKYL DIMETHYL, N-OXIDES

| | | | | |
|---|---|---|--|-----|
| - | - | - | Eye Dam. 1: H318; Aquatic Acute 1: H400; Skin Irrit. 2: H315 | <1% |
|---|---|---|--|-----|

ETHOXYLATED OLEYL/CETYL ALCOHOL

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

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

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|---|-----------|---|--|-----|
| - | 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% |
|---|-----------|---|--|-----|

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

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|----|--------|--------|---|---|
| UK | 25 ppm | 50 ppm | - | - |
|----|--------|--------|---|---|

DNEL/PNEC Values

[cont...]

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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/m3 | Workers | Systemic |
| DNEL | Inhalation | 7,78 mg/m3 | 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 |
|------|-----|------|-----------|-------|

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 |
|------|-----|------|-------|-------|

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 |

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

[cont...]

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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 |
|------|----------|--------|------|

ETHOXYLATED OLEYL/CETYL ALCOHOL

| | | | |
|------|----------|------|------|
| FISH | 96H LC50 | 1-10 | mg/l |
|------|----------|------|------|

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.

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.

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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.

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.