

SAFETY DATA SHEET
NANOLEX INSECT REMOVER

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Compilation date: 11.12.2020

Revision No: 1

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

1.1. Product identifier

Product name: NANOLEX INSECT REMOVER

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

Most important adverse effects: Causes serious eye damage.

2.2. Label elements

Label elements:

Hazard statements: H318: Causes serious eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

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

P280: Wear protective gloves/protective clothing/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.

P310: Immediately call a POISON CENTER or doctor.

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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:

2-ETHYLHEXANOL, ETHOXYLATED, PHOSPHATED, SODIUM SALT

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	111798-26-6	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%

ETHOXYLATED ISOTRIDECANOL

-	69011-36-5	-	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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NATRIUM-P-CUMOLSULFONAT

-	15763-76-5	-	Eye Irrit. 2: H319	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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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.

[cont...]

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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

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.

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Section 8: Exposure controls/personal protection
8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

NATRIUM-P-CUMOLSULFONAT

Type	Exposure	Value	Population	Effect
DNEL	Oral	3,8 mg/kg	General Population	Systemic
DNEL	Dermal	136,25 mg/kg	Workers	Systemic
DNEL	Dermal	68,1 mg/kg	General Population	Systemic
DNEL	Dermal	0,096 mg/kg	Workers	Local
DNEL	Dermal	0,048 mg/kg	General Population	Local
DNEL	Inhalation	26,9 mg/m	Workers	Systemic
DNEL	Inhalation	6,6 mg/m	General Population	Systemic
PNEC	Fresh water	0,23 mg/l	-	-
PNEC	Marine water	0,023 mg/l	-	-
PNEC	Microorganisms in sewage treatment	100 mg/l	-	-
PNEC	Soil (agricultural)	0,037 mg/kg	-	-
PNEC	Fresh water sediments	0,862 mg/kg	-	-
PNEC	Marine sediments	0,086 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: 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

pH: 11

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

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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:
2-ETHYLHEXANOL, ETHOXYLATED, PHOSPHATED, SODIUM SALT

ORAL	RAT	LD50	>5000	mg/kg
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ETHOXYLATED ISOTRIDECANOL

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

NATRIUM-P-CUMOLSULFONAT

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

TETRAPOTASSIUM PYROPHOSPHATE

DERMAL	RBT	LD50	4640	mg/kg
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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.

[cont...]

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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:

2-ETHYLHEXANOL, ETHOXYLATED, PHOSPHATED, SODIUM SALT

Daphnia magna	48H EC50	336	mg/l
FISH	96H LC50	260	mg/l

ETHOXYLATED ISOTRIDECANOL

ALGAE	48H EC50	>1-10	mg/l
Daphnia magna	48H EC50	1-10	mg/l
FISH	96H LC50	1-10	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	1-100	mg/l

NATRIUM-P-CUMOLSULFONAT

Daphnia magna	48H EC50	100	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	100	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	100	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

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: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 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

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

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.