

SAFETY DATA SHEET**Loppex**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	27.04.2016
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1.1. Product identifier

Product name	Loppex
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Function	Description: Insecticide PT18
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1.3. Details of the supplier of the safety data sheet

Company name	TRINOL
Postal address	NORDRE HAVNEGADE 2
Postcode	9400
City	NØRRRESUNDBY
Country	Danmark
Telephone number	+4596320064
Email	trinol@trinol.dk

1.4. Emergency telephone number**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Sens. 1A; H317
	Aquatic Acute 1; H400
	Aquatic Chronic 1; H410

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Permethrin (ISO) 1 – 5 %
Signal word	Warning
Hazard statements	H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P261 Avoid breathing dust. P273 Avoid release to the environment. P280 Wear beskyttelsehandsker.. P332+P313 If skin irritation occurs: Get medical advice / attention. P363 Wash contaminated clothing before reuse. P391 Collect spillage.

2.3. Other hazards

PBT / vPvB	Assessment of PBT and vPvB has not been made.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Talc	CAS No.: 14807-96-6 EC No.: 238-877-9	Note : K	25 – 75 %	
Permethrin (ISO)	CAS No.: 52645-53-1 EC No.: 258-067-9 Index No.: 613-058-00-2	Acute Tox. 4;H332 Acute Tox. 4;H302 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	1 – 5 %	

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If medical advice is needed, have product container or label at hand.
Inhalation	Rinse nose and mouth with water. Fresh air.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Contact physician if irritation continues.
Eye contact	Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.
Ingestion	Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

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

General symptoms and effects	May cause sensitization with skin contact. Symptoms include redness, swelling, blistering and ulceration – usually developing slowly.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	None particular, immediate treatment is required. Treat symptoms.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	This product is not flammable. Fight fire with normal precautions from a reasonable distance.
Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	No unusual fire or explosion hazards noted.
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5.3. Advice for firefighters

Personal protective equipment	Wear respiratory protection. Wear protective gloves / protective clothing / eye protection / face protection.
Fire fighting procedures	Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Avoid release to the environment.
Personal protection measures	Wear protective gloves. In case of inadequate ventilation, use respiratory protection.
For emergency responders	In addition to the above: Normally protectiveclothing similar to EN 469 is recommended.

6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter drains, sewers or watercourses. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Sweep up and place into an appropriate container.
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6.4. Reference to other sections

Other instructions	Section 8 for Exposure controls/personal protection. Section 13 for Disposal considerations.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Use mechanical ventilation in case of handling which causes formation of dust. Provide easy access to water supply and eye wash facilities. Wash hands before
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breaks and before smoking, eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep out of reach of children. Store below 25°C. Keep away from food, drink and animal feeding stuffs.
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7.3. Specific end use(s)

Specific use(s)	None.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Talc	CAS No.: 14807-96-6	Limit value (8 h) : 0,3 fiber/ m3	
Permethrin (ISO)	CAS No.: 52645-53-1		

8.2. Exposure controls

Safety signs



Eye / face protection

Eye protection	Not relevant.
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Hand protection

Hand protection	Use protective gloves made of: Rubber or plastic.
Breakthrough time	Value: Not determined.
Reference to relevant standard	EN 374.

Skin protection

Skin protection (except hands)	Not relevant.
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Respiratory protection

Respiratory protection	Use respiratory equipment with particle filter, type P2.
Reference to relevant standard	EN 136/140/145.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Powder, dust.
Colour	No data recorded.

Odour	No data recorded.
pH	Status: In delivery state Comments: No data recorded.
Melting point / melting range	Comments: No data recorded.
Flash point	Comments: No data recorded.
Explosion limit	Comments: No data recorded.
Vapour pressure	Comments: No data recorded.
Relative density	Comments: No data recorded.
Solubility in water	Uopløselig i Vand.
Auto-ignition temperature	Comments: No data recorded.
Decomposition temperature	Comments: No data recorded.
Oxidising properties	No data recorded.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Ikke reaktivt.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None.
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10.4. Conditions to avoid

Conditions to avoid	None.
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10.5. Incompatible materials

Materials to avoid	None.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Type of toxicity: Acute
	Effect tested: LD50
	Route of exposure: Oral
	Value: > 430 mg/kg
	Species: Rotte
	Test reference: The Pesticide Manual
	Comments: 52645-53-1
	Type of toxicity: Acute
	Effect tested: LD50
Route of exposure: Dermal	
Value: > 2000 mg/kg	
Species: Rotte	
Test reference: The Pesticide Manual	
Comments: 52645-53-1	
Type of toxicity: Acute	
Effect tested: LC50	
Route of exposure: Inhalation.	
Value: > 0,685 mg/l	
Species: Rotte	
Test reference: The Pesticide Manual	
Comments: 52645-53-1	

Other information regarding health hazards

General	Product not classified.
Skin corrosion / irritation, other information	No data recorded. May cause slight irritation.
Eye damage or irritation other information	No data recorded. May cause slight irritation.
General respiratory or skin sensitisation	May cause sensitization with skin contact. Symptoms include redness, swelling, blistering and ulceration – usually developing slowly.
Mutagenicity	No data recorded.
Carcinogenicity, other information	No data recorded.
Reproductive toxicity	No data recorded.
STOT-single exposure	No data recorded. Not relevant.
STOT-repeated exposure	No data recorded. Not relevant.
Aspiration hazard	No data recorded.
Other adverse toxicological effects	None.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity, fish	Value: 0,0125 mg/l
	Test duration: 96 h
	Species: Oncorhynchus mykiss
	Method: LC50

Aquatic toxicity, algae	Comments: 52645-53-1 Value: 0,00002 mg/l Test duration: 96 h Species: Americamysis bahia Method: LC50 Comments: 52645-53-1
Aquatic toxicity, crustacean	Value: 0,0006 mg/l Test duration: 48 h Species: Daphnia magna Method: EC50 Comments: 52645-53-1

12.2. Persistence and degradability

Persistence and degradability, comments	Test data are not available on all substances. 52645-53-1: Easily biodegradable
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12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation can be expected. 52645-53-1: Partition coefficient n-octanol/water: 6,1
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12.4. Mobility in soil

Mobility	No data recorded.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not determined.
vPvB evaluation results	Not determined.

12.6. Other adverse effects

Other adverse effects, comments	Very toxic to aquatic life with long lasting effects.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Avoid release to the environment. Do not allow runoff to sewer, waterway or ground. Empty and clean packaging should be recycled. Collect in marked containers and deliver to approved depot.
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SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN	3077
IMDG	3077
ICAO/IATA	3077

14.2. UN proper shipping name

ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name/danger releasing substance ADR/RID/ADN	Permethrin
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name/danger releasing substance IMDG	Permethrin
ICAO/IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name/danger releasing substance ICAO/IATA	Permethrin

14.3. Transport hazard class(es)

ADR/RID/ADN	9
IMDG	9
ICAO/IATA	9

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

IMDG Marine pollutant	Yes
Comments	The product must be labeled as hazardous to the environment (symbol: fish and wood) in packages of 5 kg / l.

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

ADR/RID Other information

Tunnel restriction code	E
Hazard No.	90

IMDG Other information

EmS	F-A, S-F
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SECTION 15: Regulatory information

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

Comments	Young people under 18 years of age must not be employed or exposed to the
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product. However, young people over the age of 15 years are exempt from this rule if the product is a necessary part of an education.

The batch number and expiry date are shown in the package.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H400 Very toxic to aquatic life. H332 Harmful if inhaled. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Sens. 1A; H317; Aquatic Acute 1; H400; Aquatic Chronic 1; H410;
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