

* Secasit Lotus

Date revised: 07.02.2024

8240010212

Version: 12 / GB

Master No. MA-222

Print date: 17.04.2024

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

1.1. Product identifier

Trade name

Secasit Lotus

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

Use of the substance/mixture

Fibre protection

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

BÜFA Cleaning GmbH & Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail sds-cleaning@buefa.de

1.4. Emergency telephone number

Poison Information Center Goettingen: +49 551 19240

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1B H317

Carc. 2 H351

STOT SE 3 H336

Asp. Tox. 1 H304

Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Danger

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

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H336 May cause drowsiness or dizziness.
 H304 May be fatal if swallowed and enters airways.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P280.2 Wear protective gloves/ eye/ face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 P331 Do NOT induce vomiting.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** Tetrachloroethylene; hydrocarbons, C11-C13, isoalkanes, <2% aromatics;
 Hydrocarbons, C11-C12, isoalkanes

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Hazardous ingredients *******Tetrachloroethylene**

| | | | | |
|-------------------|-----------------------|--|--|---|
| CAS No. | 127-18-4 | | | |
| EINECS no. | 204-825-9 | | | |
| Registration no. | 01-2119475329-28-XXXX | | | |
| Concentration | >= 50 | | | % |
| Carc. 2 | H351 | | | |
| Aquatic Chronic 2 | H411 | | | |
| Skin Irrit. 2 | H315 | | | |
| STOT SE 3 | H336 | | | |
| Skin Sens. 1B | H317 | | | |
| Eye Irrit. 2 | H319 | | | |

hydrocarbons, C11-C13, isoalkanes, <2% aromatics

| | | | | |
|------------------|-----------------------|--|--|---|
| CAS No. | 246538-78-3 | | | |
| EINECS no. | 920-901-0 | | | |
| Registration no. | 01-2119456810-40-XXXX | | | |
| Concentration | >= 10 < 25 | | | % |
| Asp. Tox. 1 | H304 | | | |

Hydrocarbons, C11-C12, isoalkanes

| | | | | |
|------------------|-----------------------|--|--|---|
| EINECS no. | 918-167-1 | | | |
| Registration no. | 01-2119472146-39-XXXX | | | |
| Concentration | >= 1 < 10 | | | % |
| Flam. Liq. 3 | H226 | | | |
| Asp. Tox. 1 | H304 | | | |

Further ingredients**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|---------|------------|------------|-----------|
| CAS No. | 34590-94-8 | EINECS no. | 252-104-2 |
|---------|------------|------------|-----------|

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Registration no. 01-2119450011-60-XXXX
Concentration \geq 1 < 10 % [3]

Note

[3] Substance with occupational exposure limits
For explanation of abbreviations see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Hydrogen chloride (HCl); Chlorine (Cl₂); Phosgene

5.3. Advice for firefighters

Use self-contained breathing apparatus.
Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep people away and stay on the upwind side. Use breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways. In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Transfer and handle only in enclosed systems.

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7.2. Conditions for safe storage, including any incompatibilities

Store product in closed containers.

Do not store together with foodstuffs.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

(2-Methoxymethylethoxy)-propanol (mixed isomers)

List EH40

Type WEL

Value 308 mg/m³ 50 ppm(V)

Maximum limit value; Skin resorption / sensibilisation: Sk; Pregnancy group; Status; Remarks: Sk

(2-Methoxymethylethoxy)-propanol (mixed isomers)

List IOELV

Type IOELV

Value 308 mg/m³ 50 ppm(V)

Maximum limit value; Skin resorption / sensibilisation: Sk; Pregnancy group; Status; Remarks: Skin

Tetrachloroethylene

List EH40

Type WEL

Value 138 mg/m³ 20 ppm(V)Short term exposure limit 275 mg/m³ 40 ppm(V)

Maximum limit value; Skin resorption / sensibilisation: Sk; Pregnancy group; Status; Remarks: Sk

Tetrachloroethylene

List IOELV

Type IOELV

Value 138 mg/m³ 20 ppm(V)Short term exposure limit 275 mg/m³ 40 ppm(V)

Maximum limit value; Skin resorption / sensibilisation: Sk; Pregnancy group; Status; Remarks: Skin

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Self-contained breathing apparatus. Short term: filter apparatus, Filter A

Hand protection

Chemical resistant gloves

Appropriate Material nitrile

Material thickness > 0,35 mm

Breakthrough time > 480 min

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

Tightly fitting safety glasses

Body protection

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Impermeable protective clothing

SECTION 9: Physical and chemical properties ***

9.1. Information on basic physical and chemical properties

| | | |
|--|-------------------------------|------|
| Physical state | liquid, transparent to opaque | |
| Colour | colourless | |
| Odour | of perchloroethylene | |
| Melting point | | |
| Remarks | not determined | |
| Boiling point | | |
| Value | > 100 | °C |
| Flammability | | |
| evaluation | not determined | |
| Explosion limits | | |
| Remarks | not determined | |
| Flash point | | |
| Remarks | Not applicable | |
| Ignition temperature | | |
| Remarks | Not applicable | |
| Thermal decomposition | | |
| Value | > 120 | °C |
| Remarks | Slow decomposition possible. | |
| pH value | | |
| Remarks | Not applicable | |
| Viscosity | | |
| Value | appr. 11 | s |
| Method | DIN 53211 4 mm | |
| Solubility in other solvents | not determined | |
| Octanol/water partition coefficient (log Pow) | | |
| Remarks | not determined | |
| Vapour pressure | | |
| Remarks | not determined | |
| Density | | |
| Value | appr. 1,3 | kg/l |
| Vapour density | | |
| Remarks | not determined | |
| Particle characteristics | | |
| Remarks | irrelevant (liquid) | |

9.2. Other information

| | | |
|----------------------------|---------------------|--|
| Odour threshold | | |
| Remarks | No data available | |
| Solubility in water | | |
| Remarks | virtually insoluble | |

Explosive properties

The product is not explosive, but the formation of explosive vapour/air mixtures is possible.

Oxidising properties

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evaluation

not flammable

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Thermal decomposition

| | | | |
|---------|---|------------------------------|----|
| Value | > | 120 | °C |
| Remarks | | Slow decomposition possible. | |

10.6. Hazardous decomposition products

Hazardous determin decomposition products: Chlorine, Phosgene

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Based on available data, the classification criteria are not met.

Acute oral toxicity (Components)

(2-Methoxymethylethoxy)-propanol (mixed isomers)

| | | | |
|---------|-----|------|-------|
| Species | rat | | |
| LD50 | | 5135 | mg/kg |

Tetrachloroethylene

| | | | |
|---------|-----|------|-------|
| Species | rat | | |
| LD50 | > | 3000 | mg/kg |

Acute dermal toxicity

Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)

(2-Methoxymethylethoxy)-propanol (mixed isomers)

| | | | |
|---------|--------|------|-------|
| Species | rabbit | | |
| LD50 | | 9510 | mg/kg |

Tetrachloroethylene

| | | | |
|---------|--------|-------|-------|
| Species | rabbit | | |
| LD50 | > | 10000 | mg/kg |

Acute inhalational toxicity

Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)

(2-Methoxymethylethoxy)-propanol (mixed isomers)

| | | | |
|----------------------|-----|----|------|
| Species | rat | | |
| LC50 | | 60 | mg/l |
| Duration of exposure | | 4 | h |

Tetrachloroethylene

Product specific toxicological data are not known.

Skin corrosion/irritation

| | |
|--------------------------------------|----------|
| evaluation | irritant |
| The classification criteria are met. | |

Serious eye damage/irritation

| | |
|--------------------------------------|----------|
| evaluation | irritant |
| The classification criteria are met. | |

Sensitization

| | |
|--------------------------------------|--|
| evaluation | May cause sensitization by skin contact. |
| The classification criteria are met. | |

Sensitization (Components)

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Tetrachloroethylene

May cause sensitization by skin contact.

Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Carcinogenicity

evaluation Suspected of causing cancer.

The classification criteria are met.

Carcinogenicity**Tetrachloroethylene**

evaluation Indications of possible carcinogenic effects in animal studies are available.

Specific Target Organ Toxicity (STOT)**Single exposure**

The classification criteria are met.

evaluation May cause drowsiness or dizziness.

Repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

The classification criteria are met.

Harmful: may cause lung damage if swallowed.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

No toxicological data are available.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity****(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|----------------------|--------------------------------------|------|------|
| Species | guppy (<i>Poecilia reticulata</i>) | | |
| LC50 | > | 1000 | mg/l |
| Duration of exposure | 96 | h | |
| Method | OECD 203 | | |

Tetrachloroethylene

| | | | |
|----------------------|--|---|------|
| Species | rainbow trout (<i>Oncorhynchus mykiss</i>) | | |
| LC50 | 5 | | mg/l |
| Duration of exposure | 96 | h | |

Daphnia toxicity**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|----------------------|---------------|-----|------|
| Species | Daphnia magna | | |
| LC50 | 1919 | | mg/l |
| Duration of exposure | 48 | h | |
| Species | Daphnia magna | | |
| NOEC | > | 0,5 | mg/l |
| Duration of exposure | 22 | d | |

Tetrachloroethylene

| | | | |
|----------------------|---------------|---|------|
| Species | Daphnia magna | | |
| EC50 | 8,5 | | mg/l |
| Duration of exposure | 48 | h | |

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Algae toxicity**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|----------------------|----------------------|---|------|
| Species | Skeletonema costatum | | |
| EC50 | 6999 | | mg/l |
| Duration of exposure | 72 | h | |

Bacteria toxicity**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|----------------------|--------------------|---|------|
| Species | Pseudomonas putida | | |
| EC10 | 4168 | | mg/l |
| Duration of exposure | 18 | h | |

Tetrachloroethylene

| | | | |
|----------------------|-----|---|------|
| IC50 | 112 | | mg/l |
| Duration of exposure | 24 | h | |

12.2. Persistence and degradability

For this subsection there is no ecotoxicological data available on the product as such. Do not discharge product unmonitored into the environment.

Biodegradability**(2-Methoxymethylethoxy)-propanol (mixed isomers)**

| | | | |
|------------------|--|---|---|
| Value | 75 | | % |
| Duration of test | 28 | d | |
| evaluation | Readily biodegradable (according to OECD criteria) | | |
| Method | OECD 301 F | | |

Tetrachloroethylene

evaluation not readily degradable

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow)**

Remarks not determined

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

The product contains no PBT substances. The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

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| | Land transport ADR/RID | Marine transport IMDG/GGVSee |
|----------------------------------|--|---|
| 14.1. UN number | 1897 | 1897 |
| 14.2. UN proper shipping name | TETRACHLOROETHYLENE | TETRACHLOROETHYLENE |
| 14.3. Transport hazard class(es) | 6.1 | 6.1 |
| 14.4. Packing group | III | III |
| Label |  |  |
| 14.5. Environmental hazards |  ENVIRONMENTALLY HAZARDOUS |  ENVIRONMENTALLY HAZARDOUS |
| Marine Pollutant | | Marine Pollutant |
| Limited Quantity | 5 l | 5 l |
| Transport category | 2 | |
| Tunnel restriction code | E | |
| Hazard id. no. | 60 | |
| EmS | | F-A, S-A |

Information for all modes of transport**14.6. Special precautions for user**

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Major-accident categories acc. 2012/18/EU**

Category E2 Hazardous to the Aquatic Environment

Ingredients (Regulation (EC) No 648/2004)**VOC**

VOC (EU) 96,35 %

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Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|-------------------|------|--------------------|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Irrit. 2 | H319 | Calculation method |
| Skin Sens. 1B | H317 | Calculation method |
| Carc. 2 | H351 | Calculation method |
| STOT SE 3 | H336 | Calculation method |
| Asp. Tox. 1 | H304 | Calculation method |
| Aquatic Chronic 2 | H411 | Calculation method |

Hazard statements listed in Chapter 2/3

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H411 | Toxic to aquatic life with long lasting effects. |

CLP categories listed in Chapter 2/3

| | |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquid, Category 3 |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| Skin Sens. 1B | Skin sensitization, Category 1B |
| STOT SE 3 | Specific target organ toxicity - single exposure, Category 3 |

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 GGVSee: Gefahrgutverordnung See
 IMDG: International Maritime Code for Dangerous Goods
 CAS: Chemical Abstracts Service
 EAK: Europäischer Abfallkatalog
 EINECS: European Inventory of Existing Commercial Chemical Substances
 GefStoffV: Gefahrstoffverordnung
 VOC: Volatile Organic Compound
 SVHC: Substances of very high concern
 TA Luft: Technische Anleitung zur Reinhaltung der Luft
 INCI: International Nomenclature of Cosmetic Ingredients
 n.a.g.: nicht anders genannt
 MAK: Maximale Arbeitsplatz-Konzentration
 AGW: Arbeitsplatzgrenzwert
 BGW: Biologischer Grenzwert
 TRGS: Technische Regeln für Gefahrstoffe
 NOEL: No observable effect level
 NOEC: No observable effect concentration
 LD: Lethal dose
 LC: Lethal concentration
 LLC: Lowest lethal concentration
 PBT: Persistent, Bioaccumulative and Toxic

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vPvB: Very persistent and very bioaccumulative

DNEL: Derived no effect level

OECD: Organisation for Economic Co-operation and Development

GHS: Globally Harmonized System of classification and Labelling of Chemicals

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

HSNO: Hazardous Substances and New Organisms Act (New Zealand)

ATE: Acute Toxicity Estimate

IOELV: Indicative Occupational Exposure Limit Values

STOT: Specific Target Organ Toxicity

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.