

02/08/2018

SAFETY DATA SHEET

LG-VERSIEGELUNG

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010.

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

1.1. Product identifier

Product name LongLife Edge Sealant
Product number LG-VERSIEGELUNG

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

Identified uses Adhesive

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier **ORGATEX** GmbH & Co. KG
Albert-Einstein-Straße 19
D-40627 Langenfeld
Tel.: +49(0)2173 1064-00
Fax: +49(0)2173 1064-50
Email: info@orgatex.de

1.4. Emergency telephone number

Emergency telephone +49(0)2173 1064-00 (NOT 24 HOURS)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

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Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H336**Environmental hazards** Not classified

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground level and collect at the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Pictogram

**Signal word** Warning

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapours.

P271 Use only outdoors or in a well-ventilated area.

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.

P501 Dispose of contents/container in accordance with national regulations.

Contains

BUTANONE, ACETONE, ETHYL ACETATE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

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SECTION 3: Composition/information on ingredients
3.2. Mixtures

BUTANONE 32.5% CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43-0000
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 STOT SE 3 - H336		
ACETONE 27.0% CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-0000
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
ETHYL ACETATE 22.5% CAS number: 141-78-6	EC number: 205-500-4	REACH registration number: 01-2119475103-46-0017
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		

The full text of all R-phrases and hazard statements is given in Section 16.

SECTION 4: First aid measures
4.1. Description of first aid measures
General information Get medical attention if any discomfort continues.

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Inhalation Remove affected person from source of contamination. Move affected person to fresh air and keep in a position comfortable for breathing.

Ingestion Rinse mouth thoroughly with water. Get medical attention.

Skin contact Take off contaminated clothing immediately and wash skin with soap and water.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

General information The severity of the symptoms described will vary depending on the concentration and the length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable 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

Specific hazards The product is flammable. Heating may generate flammable vapours. If the airborne concentration exceeds 10 mg/m³, dust protection equipment must be used. The product is highly flammable.

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Hazardous combustion products Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting

Prevent run-off water from entering drains and watercourses. Avoid breathing fire gases or vapours. Stay upwind so as not to inhale smoke.

Special protective equipment for firefighters

Wear chemical protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the environmental agency or other appropriate regulatory body. Do not allow to enter drains, watercourses or soil.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Keep away from heat, sparks and open flame. Avoid the build-up of static electricity and the formation of sparks. Good personal

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hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Keep container tightly closed. Store only in the original container.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

BUTANONE

Long-term exposure limit (8-hour TWA): AGW 200 ppm (Sk) 600 mg/m³ (Sk)

Short-term exposure limit (15 minutes): AGW 300 ppm (Sk) 899 mg/m³ (Sk)

ACETONE

Long-term exposure limit (8-hour TWA): AGW 500 ppm 1210 mg/m³

Short-term exposure limit (15 minutes): AGW 1500 ppm 3620 mg/m³

ETHYL ACETATE

Long-term exposure limit (8-hour TWA): AGW 200 ppm

Short-term exposure limit (15 minutes): AGW 400 ppm

AGW = occupational exposure limit

Ingredient comments AGW = occupational exposure limits

BUTANONE (CAS: 78-93-3)

Biological limit values Short-term value: 300 ppm Long-term value: 200 ppm

DNEL

Consumer - Oral; Long-term systemic effects: 31 mg/kg bw/day Consumer
- Dermal; Long-term

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systemic effects: 412 mg/kg bw/day Worker - Dermal; Long-term systemic effects: 1161 mg/kg bw/day Consumer - Inhalation; Long-term systemic effects: 106 mg/m³ Worker - Inhalation; Long-term systemic effects: 600 mg/m³

PNEC

Fresh water; 55.8 mg/l

- Sediment (fresh water); 284.7 mg/kg
- Intermittent release; 55.8 mg/l
- Sediment (marine water); 284.7 mg/kg
- Marine water; 55.8 mg/l
- STP; 709 mg/l
- Soil; 22.5 mg/kg

ACETONE (CAS: 67-64-1)

Ingredient comments AGW = occupational exposure limits

DNEL

Worker - Inhalation; Short-term systemic effects: 1468 mg/m³ Worker - Inhalation; Short-term local effects: 1468 mg/m³ Consumer - Inhalation; Short-term systemic effects: 734 mg/m³ Consumer - Inhalation; Short-term local effects: 374 mg/m³ Worker - Inhalation; Long-term local effects: 734 mg/m³ Worker - Dermal; Long-term systemic effects: 63 mg/kg bw/day Worker - Inhalation; Long-term systemic effects: 734 mg/m³ Consumer - Dermal; Long-term systemic effects: 37 mg/kg bw/day Consumer - Inhalation; Long-term systemic effects: 367 mg/m³ Consumer - Oral; Long-term systemic effects: 4.5 mg/kg bw/day Consumer - Inhalation; Long-term local effects: 367 mg/m³

PNEC

Fresh water; 0.26 mg/l

- Marine water; 0.026 mg/l
- Intermittent release; 1.65 mg/l
- Sediment (fresh water); 1.25 mg/kg
- Sediment (marine water); 0.125 mg/kg
- Soil; 0.24 mg/kg
- STP; 650 mg/l

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8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits if use generates dust, fumes, gas, vapour or mist. This product must not be used where there is poor ventilation.

Eye/face protection The following protection should be worn: chemical splash goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: nitrile rubber. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Other skin and body protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

Hygiene measures Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling. Eating, drinking and smoking are prohibited in the immediate work area.

Respiratory protection A supplied-air respirator must be worn in confined or poorly ventilated spaces. Wear a respirator fitted with the following cartridge: ABEK2 - P3.

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance** Coloured liquid.**Colour** Various colours.**Odour** Acetone.**Odour threshold** Not available.**pH (estimated value)** pH (concentrated solution): 7-8**Melting point** Not available.**Initial boiling point and boiling range** 56°C at 20**Flash point** Estimated value. -18°C CC (Closed cup)**Evaporation rate** Not determined.**Evaporation factor** Not available.**Flammability (solid, gas)** Not available.**Upper/lower flammability or explosive limits** Estimated value. : 1.8%-13%**Other flammability** Not available.**Vapour pressure** Not available.**Vapour density** Not available.**Relative density** 0.86 @ 20°C**Bulk density** Not available.**Solubility(ies)** Insoluble in water.**Partition coefficient** Not available.**Auto-ignition temperature** Estimated value. 515°C**Decomposition temperature** Not available.**Viscosity** Kinematic viscosity > 20.5 mm²/s.

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Explosive properties Not available.**Explosive under the influence of a flame** Not considered to be explosive.**Oxidising properties** Not available.**Comments** The information given applies to the product as supplied.**9.2. Other information****Other information** None required.**Refractive index** Not available.**Particle size** Not available.**Molecular weight** Not available.**Volatility** Not available.**Saturation concentration** Not available.**Critical temperature** Not available.**Volatile organic compound** This product contains a maximum VOC content of 700 g/l.**SECTION 10: Stability and reactivity****10.1. Reactivity****Reactivity** There are no known reactivity hazards associated with this product.**10.2. Chemical stability****Stability** No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.**10.3. Possibility of hazardous reactions****Possibility of hazardous reactions** Not applicable. Not relevant.**10.4. Conditions to avoid****Conditions to avoid** Avoid heat, flames and other sources of ignition.

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10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon oxides. Nitrogen oxides.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Toxicological effects. No information available. There is no evidence that the product can cause cancer.

Acute toxicity – oral

ATE oral (mg/kg) 6,153.85

Acute toxicity - dermal

ATE dermal (mg/kg) 6,153.85

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 61.54

Serious eye damage/irritation

Serious eye damage/irritation Eye irritation is presumed.

Respiratory sensitisation

Respiratory sensitisation Not determined.

Skin sensitisation

Skin sensitisation Not determined.

Carcinogenicity

Carcinogenicity No data available.

Target organ for

Carcinogenicity Not relevant.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

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Reproductive toxicity - development This substance shows no evidence of reproductive toxicity.**Aspiration hazard****Aspiration hazard** Based on the chemical structure, no aspiration hazard is expected.

General information No specific health hazards known.

Inhalation Vapours of this product may be hazardous if inhaled.**Ingestion** May be harmful if swallowed.**Skin contact** May be harmful in contact with skin.**Eye contact** May cause blurred vision and serious eye damage.**Toxicological information on ingredients.****BUTANONE****Acute toxicity - oral**Acute toxicity oral (LD₅₀ mg/kg)

2,000

Species Rat**Acute toxicity - dermal**Acute toxicity dermal (LD₅₀ mg/kg)

2,000

Species Rabbit**Acute toxicity - inhalation****Acute toxicity inhalation**(LC₅₀ vapours mg/l)

20.0

Species Rat**SECTION 12: Ecological information****12.1. Toxicity****Toxicity** The product is not expected to pose a hazard due to its physical nature.**Ecological information on ingredients****Acute toxicity – fish** LC₅₀, EC₅₀, IC₅₀, : 100 mg/l, algae**Acute toxicity - aquatic plants** LC₅₀, EC₅₀, IC₅₀, : 100 mg/l, fish

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12.2. Persistence and degradability**12.3. Bioaccumulative potential****Partition coefficient** Not available.**12.4. Mobility in soil****Mobility** The product contains volatile organic compounds (VOCs) which evaporate easily from all surfaces.**Ecological information on ingredients.****BUTANONE****Mobility** The product contains volatile organic compounds (VOCs) which evaporate easily from all surfaces.**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.**BUTANONE****Results of PBT and vPvB****Assessment** This product does not contain any substances classified as PBT or vPvB.**12.6. Other adverse effects**

Other adverse effects None known.

Ecological information on ingredients.**BUTANONE****Other adverse effects** None known.**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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General information Waste should be treated as controlled waste. Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to a licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information**14.1. UN number****UN No. (ADR/RID)** 1133**UN No. (IMDG)** 1133**UN No. (ICAO)** 1133**UN No. (ADN)** 1133**14.2. UN proper shipping name****Proper shipping name (ADR/RID)**

ADHESIVES

Proper shipping name (IMDG)

ADHESIVES

Proper shipping name (ICAO) ADHESIVES**Proper shipping name (ADN)** ADHESIVES**14.3. Transport hazard class(es)****ADR/RID class** 3**ADR/RID classification code** F1**ADR/RID label** 3**IMDG class** 3**ICAO class/division** 3**ADN class** 3**Transport labels**

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14.4. Packing group**ADR/RID packing group II****IMDG packing group II****ADN packing group II****ICAO packing group II****14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant No.****14.6. Special precautions for user****EmS FE, SD****ADR transport category 2****Hazard identification number (ADR/RID) 33****Tunnel restriction code (D/E)****14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations Health and Safety at Work etc. Act 1974 (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Commission Regulation (EU) No 453/2010 of 20 May 2010.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by Compliance

Revision date 02.08.2019

Revision 20

Supersedes date 01.06.2017

Hazard statements in full

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

Store between 5°C – 25°C

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.