# Anaerobe Dichtstoffe eco-friendly (EL-Fil 77, EL-Liq 73, EL-Liq 74, EL-Loc 43)

Safety Data Sheet

according to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations

Date of issue: 06/14/2024 Revision date: 08/22/2025 Version/Replaced version: 2.0/1.0

## SECTION 1: Identification

### 1.1. Product identifier

Product form : Mixture

Product name : Anaerobe Dichtstoffe eco-friendly
EL-Fil 77, EL-Liq 73, EL-Liq 74, EL-Loc 43

Product code : EL-Fil 77: 954.020 (50 ml)
EL-Liq 73: 777.792 (50 ml)
EL-Liq 74: 461.682 (50 ml)
EL-Loc 43: 700.501 (10 ml), 954.000 (50 ml)

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

Use of the substance/mixture : Adhesive, sealant

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer (Germany)**
ElringKlinger AG
Max-Eyth-Straße 2
72581 Dettingen/Erms - Germany
Fon +49 (0)7123 724 799
det.iam.sdb@elringklinger.com

**Supplier**

**Manufacturer (USA)**
ElringKlinger Texas, LLC.
Ridgeview 35
4210 IH-35
San Antonio, TX 78218 - USA
Fon +1 210 253 8182
Info.us@elringklinger.com

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

### 1.4. Emergency telephone number

24-hour emergency contact number : +1 872 5888271 (EKA)

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

**GHS-US classification in accordance with paragraph (d) of § 1910.1200**

Carcinogenicity, Category 2 H351

### 2.2. Label elements

**GHS-US labelling in accordance with paragraph (f) of § 1910.1200**

Hazard pictograms (GHS-US) :

GHS08

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H351 - Suspected of causing cancer.

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing, eye protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to an authorized waste collection point.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | GHS-US Classification in accordance with paragraph (d) of § 1910.1200 |
|---|---|---|---|
| Oxydipropyl dibenzoate | (CAS No) 27138-31-4 | < 15 | Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |
| Titanium dioxide | (CAS No) 13463-67-7 | < 1 | Carc. 2, H351 |

**Other relevant ingredients:**

| Name | Product identifier | GHS-US Classification in accordance with paragraph (d) of § 1910.1200 |
|---|---|---|
| Silica | (CAS No) 7631-86-9 | Not classified |

Trade secret claim in accordance with paragraph (i) of § 1910.1200: The exact percentage (concentration) of composition has been withheld as a trade secret.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Rinse mouth. Drink water as a precaution. Do NOT induce vomiting.

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

Symptoms/effects : Suspected of causing cancer.

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

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing agents that suit the environment. Carbon dioxide. Extinguishing powder. Water spray. For a significant fire: Alcohol resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Toxic gases and vapors. Silicon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.

Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Provide adequate ventilation. Do not breathe vapors. Special danger of slipping by leaking/spilling product.

Emergency procedures : Evacuate unnecessary personnel.

Protective equipment : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

For containment : Keep in suitable, closed containers for disposal.

Other information : Dispose of in accordance with relevant local regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe vapors, spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from heat and direct sunlight. Store locked up.

Storage temperature : < 20 °C

Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Titanium dioxide (13463-67-7)** | | |
|---|---|---|
| ACGIH | Local name | Titanium dioxide |
| ACGIH | TLV-TWA (mg/m³) | 0.2 mg/m³ (respirable particulate matter; nanoscale particles)<br>2.5 mg/m³ (respirable particulate matter; fine-scale particles) |
| ACGIH | Remark (ACGIH) | A3 |
| NIOSH | Local name | Titanium dioxide |
| NIOSH | Remark (NIOSH) | Ca, See Appendix A |
| OSHA | Local name | Titanium dioxide |
| OSHA | OSHA PEL (mg/m³) | 15 mg/m³ (total dust) |
| Cal/OSHA | Local name | Particulates Not Otherwise Regulated |
| Cal/OSHA | Cal/OSHA PEL (TWA) (ppm) | 10 mg/m³ (total dust)<br>5 mg/m³ (respirable fraction) |

| **Silica (7631-86-9)** | | |
|---|---|---|
| NIOSH | Local name | Silica, amorphous (7631-86-9) |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 6 mg/m³ |
| OSHA | Local name | Silica: Amorphous, including natural diatomaceous earth |
| OSHA | OSHA PEL (TWA) (mg/m³) | 80 mg/m³ / (% $SiO_2$) |
| OSHA | OSHA PEL (TWA) (mppcf) | 20 mppcf |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize vapor concentrations.

### 8.3. Individual protection measures, such as personal protective equipment

Hand protection : Wear suitable gloves. PVC. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Varying, depends on coloring

Odor (includes odor threshold) : Characteristic

Melting point/freezing point : No data available

Boiling point (or initial boiling point or boiling range) : No data available

| | | |
|---|---|---|
| Flammability | : | No data available |
| Lower and upper explosion limit/flammability limit | : | No data available |
| Flash point | : | > 60 °C |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| pH | : | No data available |
| Kinematic viscosity | : | No data available |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (log value) | : | Not applicable |
| Vapor pressure (includes evaporation rate) | : | No data available |
| Density and/or relative density | : | No data available |
| Relative vapor density | : | No data available |
| Particle characteristics | : | Not applicable |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Exothermic polymerization may occur.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

High temperature.

### 10.5. Incompatible materials

Acids, peroxides, copper, strong oxidizing agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. In case of fire: Carbon dioxide. Carbon monoxide. Toxic gases and vapors. Silicon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| | | |
|---|---|---|
| Acute toxicity | : | Not classified |
| Skin corrosion/irritation | : | Not classified |
| Serious eye damage/irritation | : | Not classified |
| Respiratory or skin sensitization | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Suspected of causing cancer. |

| **Titanium dioxide (13463-67-7)** | |
|---|---|
| IARC | Group 2B: Possibly carcinogenic to humans. |

| | | |
|---|---|---|
| Reproductive toxicity | : | Not classified |
| Specific target organ toxicity (single exposure) | : | Not classified |
| Specific target organ toxicity (repeated exposure) | : | Not classified |
| Aspiration hazard | : | Not classified |
| Symptoms/effects after inhalation | : | No known effects from this product. |
| Symptoms/effects after ingestion | : | No known effects from this product. |
| Symptoms/effects after skin contact | : | No known effects from this product. |
| Symptoms/effects after eye contact | : | No known effects from this product. |

| **Oxydipropyl dibenzoate (27138-31-4)** | |
|---|---|
| LD50 oral rat | 3914 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 inhalation rat | > 200 mg/l/4 h |

## SECTION 12: Ecological information

### 12.1. Ecotoxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

| Oxydipropyl dibenzoate (27138-31-4) | |
|---|---|
| LC50 fish | 3.7 mg/l 96 h, Pimephales promelas |
| EL50 daphnia | 19.3 mg/l 48 h, Daphnia magna |
| EL50 algae | 4.9 mg/l 72 h, Raphidocelis subcapitata |
| NOEC daphnia | 5.6 mg/l 21 d, Daphnia magna |
| NOELR algae | 1 mg/l 72 h, Raphidocelis subcapitata |

### 12.2. Persistence and degradability

| Oxydipropyl dibenzoate (27138-31-4) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 87 %, 29 d (EPA OPPTS 835.3110) |

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on global warming : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Discharging into rivers and drains is forbidden. Do not dispose of with domestic waste. Dispose of in accordance with relevant local regulations.

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Dispose of this material and its container at hazardous or special waste collection point. Do not empty into drains.

Waste disposal recommendations : Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.

## SECTION 14: Transport information

In accordance with DOT / ADR / IMDG / IATA

### 14.1. UN number

UN-No. (DOT) : Not regulated for transport

UN-No. (ADR) : Not regulated for transport

UN-No. (IMDG) : Not regulated for transport

UN-No. (IATA) : Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : No additional information available

Proper Shipping Name (ADR) : No additional information available

Proper Shipping Name (IMDG) : No additional information available

Proper Shipping Name (IATA) : No additional information available

### 14.3. Transport hazard class(es)

**DOT**

Transport hazard class(es) (DOT) : No additional information available

**ADR**

Transport hazard class(es) (ADR) : No additional information available

**IMDG**

Transport hazard class(es) (IMDG) : No additional information available

**IATA**

Transport hazard class(es) (IATA) : No additional information available

### 14.4. Packing group

Packing group (DOT) : No additional information available
Packing group (ADR) : No additional information available
Packing group (IMDG) : No additional information available
Packing group (IATA) : No additional information available

### 14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

### 14.6. Special precautions

**DOT**

Not applicable

**ADR**

Not applicable

**IMDG**

Not applicable

**IATA**

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

No additional information available

### 15.2. International regulations

**EU-Regulations**

All substances in this mixture are listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances).

### 15.3. US State regulations

**California Proposition 65**

This product does not contain any substance(s) known to the state of California to cause cancer.

This product does not contain any substance(s) known to the state of California to cause developmental toxicity.

This product does not contain any substance(s) known to the state of California to cause reproductive toxicity.

## SECTION 16: Other information, including date of preparation or last revision

Date of Preparation : August 22, 2025

Abbreviations and acronyms:

| | |
|---|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| EC50 | The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration) |
| IATA | International Air Transport Association |
| IMDG | “International Maritime Dangerous Goods Code” for the transport of dangerous goods by sea |
| LC50 | Lethal Concentration to 50 % of a test population (Median Lethal Concentration) |
| LD50 | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| NOEC/L | No Observed Effect Concentration/Level |
| OECD | Organisation for Economic Cooperation and Development |
| SDS | Safety Data Sheet |

Full text of H-phrases:

| | |
|---|---|
| Aquatic Acute 2 | Hazardous to the aquatic environment — Acute Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Carc. 2 | Carcinogenicity, Category 2 |
| H351 | Suspected of causing cancer. |
| H401 | Toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.