



Das Original

# EL 2012 B

## Safety Data Sheet

according to Regulation (EU) No. 2015/830

Date of issue: 2016-08-01

Revision date: 2019-09-30

Version: 1.4

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : EL 2012 B

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Use of the substance/mixture : Sealants

##### 1.2.2. Uses advised against

No additional information available

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

ElringKlinger AG  
Max-Eyth-Straße 2  
72581 Dettingen/Erms - Germany

Information contact: E-mail: det.iam.sdb@elringklinger.com

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

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Germany	Giftinformationszentrum (GIZ-Nord) Zentrum Pharmakologie und Toxikologie der Universität Göttingen	Robert-Koch Strasse 40 D-37075 Göttingen	+49 551 19240 (German/English)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH phrases : EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
[2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate	(CAS no) 20882-04-6 (EC no) 244-096-4	< 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Fumed Silica Untreated	(CAS no) 67762-90-7	< 5	Not classified
Edetic acid (EDTA)	(CAS no) 60-00-4 (EC no) 200-449-4 (EC index no) 607-429-00-8	< 2.5	Eye Irrit. 2, H319
$\alpha,\alpha$ -dimethylbenzyl hydroperoxide, cumene hydroperoxide	(CAS no) 80-15-9 (EC no) 201-254-7 (EC index no) 617-002-00-8	< 1	Org. Perox. E, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 STOT RE 2, H373 Aquatic Chronic 2, H411

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Name	Product identifier	Specific concentration limits according to Regulation (EC) No. 1272/2008 [CLP]
$\alpha,\alpha$ -dimethylbenzyl hydroperoxide, cumene hydroperoxide	(CAS no) 80-15-9 (EC no) 201-254-7 (EC index no) 617-002-00-8	(1 =< C < 3) Eye Irrit. 2, H319 (C < 10) STOT SE 3, H335 (3 =< C < 10) Skin Irrit. 2, H315 (3 =< C < 10) Eye Dam. 1, H318 (C >= 10) Skin Corr. 1B, H314

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Remove/Take off immediately all contaminated clothing. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow victim to breathe fresh air. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Wipe off dry product from skin. Wash with plenty of soap and water. The product is not considered to be irritating to the skin.
- 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. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Drink plenty of water as a precaution. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Making extinguishing agents environment-friendly. 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.

#### 5.3. Advice for firefighters

- Firefighting instructions : 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.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.

#### 6.2. Environmental precautions

No particular/specific measures required.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Use appropriate ventilation.

#### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Remove contaminated clothes. 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.

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

- Storage conditions : Keep container tightly closed. Store in a dry place. Store in a cool, well-ventilated place.

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Incompatible materials : Direct sunlight. Heat sources.  
Storage temperature : 15 - 25 °C  
Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

Sealants.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Silica, amorphous (-)		
United Kingdom	Local name	Silica, amorphous
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> inhalable dust 2.4 mg/m <sup>3</sup> respirable
Ireland	Local name	Silica, amorphous
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> inhalable dust 2.4 mg/m <sup>3</sup> respirable

### 8.2. Exposure controls

Hand protection : Wear suitable gloves (EN 374).  
Eye protection : Chemical goggles or safety glasses (EN 166).  
Skin and body protection : Wear suitable protective clothing (DIN EN 13034).  
Respiratory protection : Not necessary with sufficient ventilation.

## SECTION 9: Physical and chemical properties

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

Appearance : Liquid. Blue.  
Odour : Characteristic  
Odour threshold : No data available  
pH : Not applicable  
Melting point/freezing point : No data available  
Initial boiling point and boiling range : > 35 °C  
Flash point : > 93 °C  
Evaporation rate : No data available  
Flammability (solid, gas) : Not applicable  
Upper/lower flammability or explosive limits : No data available  
Vapour pressure : No data available  
Vapour density : No data available  
Relative density : 1.05  
Solubility(ies) : Water: practically insoluble  
Partition coefficient: n-octanol/water : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity : ~ 2200 mm<sup>2</sup>/s (kinematic)  
Explosive properties : Product is not explosive.  
Oxidising properties : No data available

### 9.2. Other information

VOC content : < 1 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

At high temperatures : Fire/explosion hazard.

### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Open flame. Heat sources.

### 10.5. Incompatible materials

None known.

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### 10.6. Hazardous decomposition products

In case of fire: Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide, cumene hydroperoxide (80-15-9)</b>	
LD50 oral rat	382 mg/kg
LC50 inhalation rat	220 ppm/4h

Skin corrosion/irritation : Not classified  
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified  
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified  
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified  
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified  
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified  
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified  
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified  
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified  
Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide, cumene hydroperoxide (80-15-9)</b>	
LC50 fish	3.9 mg/l 96 h <i>Oncorhynchus mykiss</i> (OECD 203)
EC50 daphnia	18.84 mg/l 48 h <i>Daphnia magna</i> (OECD 202)
ErC50 algae	3.1 mg/l 72 h <i>Scenedesmus subspicatus</i> (OECD 201)

### 12.2. Persistence and degradability

<b>EL 2012 B</b>	
Persistence and degradability	Not established.

<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide, cumene hydroperoxide (80-15-9)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
Biodegradation	2-7 % (OECD 301 B)

### 12.3. Bioaccumulative potential

<b>EL 2012 B</b>	
Bioaccumulative potential	Not established.

<b><math>\alpha,\alpha</math>-dimethylbenzyl hydroperoxide, cumene hydroperoxide (80-15-9)</b>	
Bioconcentration factor (BCF REACH)	9
Log Kow	2.16

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

### 12.6. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste disposal recommendations	: Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.
European List of Waste (LoW) code	: 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS 08 04 00 - wastes from MFSU of adhesives and sealants (including waterproofing products) 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09
Waste code number	: The valid EWC waste code numbers are source related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

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

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

Not applicable

##### 14.6.2. Transport by sea

Not applicable

##### 14.6.3. Air transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 1 %

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out

### SECTION 16: Other information

Data sources	: 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Changes compared to the previous version	: General revision
Abbreviations and acronyms:	

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ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Biological concentration factor
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
NOEC	No-Observed Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

### Full text of H- and EUH-phrases:

Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Org. Perox. E	Organic Peroxides, Type E
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H242	Heating may cause a fire
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic 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.*