



SEALED IN QUALITY

## Safety Data Sheet for Elast-O-Sealant according to regulation (EU) 1907/2006 (Changed by regulation (EU) Nr. 453/2010)

### 1.0 Identification of the substance/mixture and of the company

#### 1.1 Product identifier

Trade name: Elast-O-Sealant

Index-No.: --

EG-No.: --

CAS-No.: --

REACH-Registry-No. of n-Butylacetate: 01-2119485493-29-0000

**Other names:--**

**Use** as solvent containing Sealant for professional Uses

See also for this application the exposure scenario from of a supplier

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

**against:** Use as solvent containing Sealant by professional use

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## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Directive 67/548/EC or Directive 1999/45/EC (Substances or Mixtures):**

Flammable R10

**Classification according to Regulation 1272/2008/EU**



**Flame, Warning**

**Dangerous component contains:** n-Butylacetate

Flammable Fluid category 3

## 2.2 Label elements

### Directive 1999/45/EC (Mixtures)

#### R-Phrases

R 10 Flammable.

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drowsiness and dizziness

#### S-Phrases

23 do not breathe vapour

24/25 avoid contact with skin and eyes

35 this material and its container must be disposed of in a safe way

### Regulation 1228/2008/EU

#### H-Phrases

H226: Flammable liquid and vapour

H336: May cause drowsiness and dizziness

#### EUH-Phrases

EUH066: Repeated exposure may cause skin dryness or cracking

#### Precautionary statements

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

P233: Keep container tightly closed

P403+P235: Store in a well-ventilated place. Keep cool.

P261: Avoid breathing dust/fume/ gas/mist/vapours/spray

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P331+ P358 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTRE or doctor if you feel unwell

## 2.3 Other hazards

Vapours may form explosive mixture with air

Components of the product may be absorbed into the body by inhalation

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## 3. Composition/ information on ingredients

### Mixture: Synthetic rubber (Polymer mixture) and helping substances with the following hazardous Substances

Substance: n-Butylacetate

EG-No.: 204-658-1 CAS-No. : 123-86-4 Index-No.:

REACH-Registry-Number.: 01-2119485493-29-0000

Share: 22-26%

Classification according to Directive 67/548/EC: R 10-66-67  
Classification according to Regulation (EU) Nr. 1272/2008:  
GHS 02 Flam. Liq. 3 H 226; GHS 07 STOT SE 3 H 336; EUH 066

Substance: Petroleum, Distillate

EC-No.: 265-157-1 CAS-No. : 64742-54-7 Index-No.:

REACH-Registry-Number.: 01-2119484627-25

Share: 31-35%

Classification according to Directive 67/548/EC: no classification

Classification according to Regulation (EU) No. 1272/2008: GHS 8, Asp. Tox. 1 H304

Substance: 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)

EG-No.: 247-384-8 CAS-No. : 25973-55-1 Index-Nr.:

REACH-Registry-Number.:

Share: approx. 0,2%

Classification according to Directive 67/548/EC: Xn, R 48/22, R 53

Classification according to Regulation (EU) No. 1272/2008: GHS 8, STOT Re Exp. 2 H373, H413

**PBT- and vPvB-Assessment:** there is with 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) one substance in the mixture to be persistent, bioaccumulating or toxic (PBT), or very persistent or very bioaccumulating (vPvB) see also ECHA publication from 17. December 2014 to SVHC (You find the text of the hazardous information in section 15)

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#### **4. First aid measures**

##### **4.1 Description of first aid measures**

Remove contaminated, soaked clothing immediately and dispose of safely. First aider needs to protect himself.

**After Inhalation** Keep at rest. Aerate with fresh air. When symptoms persist or in all cases of doubt seek medical advice

**Skin** Wash immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice

**Eyes** Rinse immediately with soap and plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

**Ingestion** Call a physician immediately. Do not induce vomiting without medical advice.

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

Cough, nausea, vomiting, headache,

Lung oedema, central nervous system effects. Prolonged skin contact may defat the skin and produce dermatitis

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

Treat symptomatically

## **5. Fire-fighting measures**

**5.1 Suitable extinguishing media:** Alcohol-resistant foam, powder, carbon dioxide, water spray  
**Extinguishing media which must not be used for safety reasons:** Do not use a solid water stream as it may scatter and spread fire

**5.2 Special hazards arising from the substance or mixture:**  
Can be released in case of fire: carbon monoxide and carbon dioxide

### **5.3 Advice for fire-fighters**

Wear self-contained breathing apparatus, like EN 133

## **6. Accidental release measures**

### **6.1 Personal precautions**

Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.

For emergency responders: Personal protection see section 8.

### **6.2 Environmental precautions**

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pre-treatment (biological treatment plant).

### **6.3 Methods for containment**

Stop the flow of material, if possible without risk. Dike spilled material, where this is possible.

#### **Methods for cleaning up**

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

**6.4 Reference to other sections:** see also section 7 and 13

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## **7. Handling and storage**

### **7.1 Advice on safe handling**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/or exhaust in work rooms.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material. Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback. Vapours may form explosive mixture with air.

### Advice on the protection of the environment

See Section 8: Environmental exposure controls.

### Advice on general occupational hygiene

Do not eat, drink and smoke in work

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures/Storage conditions

Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care.  
Don't store above 60 °C

### Advice on common storage

Incompatible products: strong acids and strong bases  
strong oxidizing agents

Temperature class T 2

## 7.3 Specific end uses: solvent containing sealant for joints by professional use

See also Exposition scenario of the supplier to the containing solvent

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## 8. Exposure controls / personal protection

### 8.1 Control parameters

#### 8.1.1 Exposure Limits UK

##### Component:

n-Butylacetate TWA(mg/m<sup>3</sup>) TWA (ppm) STEL(mg/m<sup>3</sup>) STEL (ppm)

CAS 123-86-4 724 150 966 200

Silicon dioxide

CAS 7631-86-9 OEL 6mg/m<sup>3</sup> Inhalable dust/mist OEL 2,4 mg/m<sup>3</sup> respirable dust/mist

Mineral Oil (Fog)

CAS 64742-54-7 Mixture of hydrocarbons

ACGIH: TWA 5 mg/m<sup>3</sup>

**Note:** For details and further information please refer to the original regulation.

#### 8.1.2 DNEL- and PNEC- Data n-Butylacetate CAS 123-86-4

##### Worker

**DN(M)EL - acute / short-term exposure - systemic effects – Inhalation** 960 mg/m<sup>3</sup>

**DN(M)EL - acute / short-term exposure - local effects – Inhalation** 960 mg/m<sup>3</sup>

**DN(M)EL - long-term exposure - systemic effects – Inhalation** 480 mg/m<sup>3</sup>

**DN(M)EL - long-term exposure - local effects – Inhalation** 480 mg/m<sup>3</sup>

##### People

**DN(M)EL - acute / short-term exposure - systemic effects - Inhalation** 859,7 mg/m<sup>3</sup>

**DN(M)EL - acute / short-term exposure - local effects – Inhalation** 859,7 mg/m<sup>3</sup>

**DN(M)EL - long-term exposure - systemic effects – Inhalation** 102,34 mg/m<sup>3</sup>

**DN(M)EL - long-term exposure - local effects – Inhalation** 102,34 mg/m<sup>3</sup>

## Environment

<b>PNEC aqua – freshwater</b>	0,18 mg/l
<b>PNEC aqua - marine water</b>	0,018 mg/l
<b>PNEC aqua - intermittent releases</b>	0,36 mg/l
<b>PNEC STP</b>	35,6 mg/l
<b>PNEC sediment - freshwater</b>	0,981 mg/kg
<b>PNEC sediment - marine water</b>	0,0981 mg/l
<b>PNEC soil</b>	0,0903 mg/kg

Data by supplier of n-Butylacetate

**Exposure limits European Union:** for n-Butylacetate, Silicon dioxide and Petroleum are no exposure limits established

## 8.2 Occupational exposure controls

### 8.2.1 Engineering measures

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

### 8.2.2. Personal protective equipment

#### General industrial hygiene practice

Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Hygiene measures

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

#### Respiratory protection

Respirator with A filter. Full mask with above mentioned filter according to producers using requirements or self-contained breathing apparatus. Equipment should conform to EN 136 or EN 140 and EN 143.

#### Hand protection

Wear protective gloves. Recommendations are listed below. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present.

**Suitable material** butyl-rubber

**Evaluation** according to EN 374, level 3

**Glove thickness** approx 0,3 mm

**Break through time** approx 60 min

**Suitable material** polyvinylchloride /nitrile rubber

**Evaluation** according to EN 374, level 2

**Glove thickness** approx 0,9 mm

**Break through time** approx 30 min

### **Eye protection**

Tightly fitting safety goggles. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face. Equipment should conform to EN 166.

### **Skin and body protection**

Impervious clothing. Wear face-shield and protective suit for abnormal processing problems.

**Note:** the information to protection according to the dangerous substance n-Butylacetate

**8.2.3 Environmental exposure controls** If possible use in closed systems. If leakage cannot be prevented, the substance needs to be suck off at the emersion point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains

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## **9. Physical and Chemical properties**

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

Appearance	Liquid with high viscosity
- Aggregate state:	polymer, containing a solvent (liquid)
- Colour:	transparent and coloured
Odour:	Like Butylacetate
Odour threshold:	7-20 ppm (n-Butylacetate)
pH-value:	6,2 (n-Butylacetate data of supplier)
Melting point:	Not applicable
Bolin point and boiling range:	126 °C (solvent n-Butylacetate)
Flashpoint:	27 °C like the solvent n-Butylacetate, Vapour from n-Butylacetate
Evaporating rate :	Not applicable
Flammability (solid, gas):	No data
Upper/lower flammability ore explosive limits:	1,2 % (lower limit n-Butylacetate) 7,5 % (upper limit n-Butylacetate)
Vapour pressure:	15 mbar bei 20 °C (n-Butylacetate)
Vapour density :	4 (air =1) bei 20 °C (n-Butylacetate)
Relative density :	0,93 g/cm <sup>3</sup> (20 °C)
Solubility:	Not soluble in water
Partition coefficient:	Not applicable
n-Octanol/Water:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
Viscosity:	15.000 mPas (20 °C)
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

## **9.2 Other information**

VOC: approx. 24 %

Containing Solvent: approx. 24 % n-Butylacetate

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## **10. Stability and reactivity**

**10.1 Reactivity:** no data known

**10.2 Chemical Stability** Stable if used and stored according to the specifications

**10.3 Possibility of hazardous reactions:** vapours can form with air explosive mixtures

**10.4 Conditions to be avoided:** strong acids and strong bases, also strong oxidants

**10.5 Incompatible materials:** no data known

**10.6 Hazardous decomposition products:** see also section 5

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## **11. Toxicological information**

**11.1 Acute Toxicity** (all data corresponding to n-Butylacetate)

oral: LD50 10760 mg/kg OECD 423

dermal: LD50 >14000 mg/kg OECD 402

inhalative: LC0 23,4 mg/l OECD 403

Petroleum Toxicity: LD50 > 5000 mg/kg , and UV 328 in a matrix, no acute toxic effects

**11.2 Irritation and Corrosion**

Skin: no skin irritation OECD 404

Eye: no eye irritation OECD 405

**11.3 Sensitization** not sensitizing: skin, OECD 406

**11.4 Additional toxicological notes:** dizziness, narcosis, cough, nausea, vomiting, headache, unconsciousness, shortness of breath. Components (n-butylacetate) of the product may be absorbed into the body by inhalation.

Carcinogenicity, Mutagenicity, Reproductive toxicity (CMR): no effects

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## **12. Ecological information**

**12.1 Toxicity** Fish toxicity LC50 18 mg/l (96h) (American Phoxinus phoxinus) OECD 203

Daphnia toxicity EC50 44 mg/l (48h) (Daphnia magna)

(Data from dangerous substance n-Butylacetate)



## **12.2 Persistence and degradability**

Biodegradation 83 % (28 d), aerobic, Readily biodegradable, OECD 301 D.  
(dangerous substance n-Butylacetate)

**12.3 Bioaccumulative potential** no data available

**12.4 Mobility in soil** no data available

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

there is with 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) one substance in the mixture to be persistent, bioaccumulating or toxic (PBT), or very persistent or very bioaccumulating (vPvB) see ECHA from 17. December 2014 to SVHC

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## **13. Disposal considerations**

### **13.1 Waste treatment methods**

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

**Uncleaned empty packaging:** Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Empty plastic packaging: 150102

### **European Waste Catalogue (EU)**

08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances.

Extra caution: Leave waste to a dump or to a plant for burning waste

**Other EU or national legislation ---**

Ship type (1, 2 oder 3) : no

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## **14. Regulatory information**

### **14.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Classification according to Directive 1999/45/EC:

Hazard symbols: --

Hazard classification: flammable (R 10)

### **R-Phrases (raw materials)**

R 10 Flammable.

R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R 53 May cause long-term adverse effects in the aquatic environment

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drowsiness and dizziness

### S-Phrases

- 23 do not breathe vapour  
24/25 avoid contact with skin and eyes  
35 this material and its container must be disposed of in a safe way

### Classification according to Regulation 1272/2008/EU



### Flame, Warning

**Dangerous component contains:** n-Butylacetate

Flammable Liquid category 3

### H-Phrases (raw materials)

- H226: Flammable liquid and vapour  
H304: May be fatal if swallowed and enters airways  
H336: May cause drowsiness and dizziness  
H373: May cause damage to organs through prolonged or repeated exposure.  
H413: May cause long lasting harmful effects to aquatic life.

### EUH-Phrases

EUH066: Repeated exposure may cause skin dryness or cracking

### P-Phrases

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233: Keep container tightly closed  
P403+P235: Store in a well-ventilated place. Keep cool.  
P261: Avoid breathing dust/fume/ gas/mist/vapours/spray  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305 + P331+ P358 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312: Call a POISON CENTRE or doctor if you feel unwell