

**Safety Data Sheet**

According to Regulation EC No. 1907/2006

**Laminierharz GP 201**

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

**1. Identification of the substance/preparation and of the company/undertaking****1.1 Identification of the substance or preparation:**

Laminierharz GP 201

UFI:

DDWD-HW2Y-6203-MRVU

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture:**

model building material

**Uses advised against:**

There are no data available on the mixture itself.

**1.3 Company/undertaking identification**

Company name:

Gößl + Pfaff GmbH

Street:

Münchener Str. 13

Place:

85123 Karlskron/Brautlach

Telephone:

+49 (0) 8450 / 932-0

Fax.:

+49 (0) 8450 / 932-13

Contact person:

Management: Mr. Gößl, Mr. Pfaff

E-Mail:

info@goessl-pfaff.de

Internet:

[www.goessl-pfaff.de](http://www.goessl-pfaff.de)

Responsible Department:

Management

**1.4 Emergency telephone****Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0) 6132-84463****2. Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Skin Sens. 1; H317

Aquatic Chronic 2; H411

Full text of hazard statements: see Section 16.

**2.2. Label elements****GB CLP Regulation****Hazard components for labelling**

bis-[4-(2,3-epoxipropoxy)phenyl]propane;

Bisphenol F-epichlorohydrin resin

**Signal word:** Warning**Pictograms:****Hazard statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

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

P273 Avoid release to the environment.

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

P302+P352 IF ON SKIN: Wash with plenty of water.

## Safety Data Sheet

According to Regulation EC No. 1907/2006

### Laminierharz GP 201

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P501 Dispose of contents/container to an appropriate recycling or disposal facility.

#### Special labelling of certain mixtures

EUH205 Contains epoxy constituents. May produce an allergic reaction.

#### 2.3 Other hazards

None known.

### 3. Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of the following substances with non-hazardous admixtures

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane			45 – < 50 %
	216-823-5	603-073-00-2	01-2119456619-26	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411			
90529-77-4	1,2,3- propanetriol, glycidyl ether			40 – < 45 %
	292-011-4			
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
9003-36-5	Bisphenol F-epichlorohydrin resin			15 – < 20 %
	500-006-8		01-2119454392-40	
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
1675-54-3	216-823-5	bis-[4-(2,3-epoxipropoxy)phenyl]propane	45 – < 50 %
	dermal: LD50 = 23000 mg/kg; oral: LD50 = 15000 mg/kg Skin Irrit. 2; H315: >= 5 -100 Eye Irrit. 2; H319: >= 5 - 100		
90529-77-4	292-011-4	1,2,3- propanetriol, glycidyl ether	40 – < 45 %
	oral: LD50 = > 5000 mg/kg		
9003-36-5	500-006-8	Bisphenol F-epichlorohydrin resin	15 – < 20 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg		

#### Further Information

none

### 4. First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated, saturated clothing immediately.  
 Remove affected person from the danger area and lay down.

## Safety Data Sheet

According to Regulation EC No. 1907/2006

### Laminierharz GP 201

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
In case of respiratory tract irritation, consult a physician.

#### After contact with skin

Wash with plenty of water/soap.  
If skin irritation or rash occurs: Get medical advice/attention.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water.  
Never give anything by mouth to an unconscious person or a person with cramps.  
Call a physician immediately.  
Do NOT induce vomiting.

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

There are no data available on the mixture itself.

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

There are no data available on the mixture itself.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam, Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder, Water spray jet

##### Unsuitable extinguishing media

Full water jet

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

In case of fire may be liberated:  
Carbon monoxide, Carbon dioxide

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### Additional information

Collect contaminated fire extinguishing water separately.  
Do not allow entering drains or surface water.

### 6. Accidental release measures

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

##### For non-emergency personnel

In case of vapour formation use respirator.  
Provide adequate ventilation.  
Wear personal protection equipment (refer to section 8).  
Keep away from sources of ignition - No smoking.

##### For emergency responders

Protective equipment

#### 6.2. Environmental precautions

Clear contaminated areas thoroughly.  
Do not allow to enter into surface water or drains.

## Safety Data Sheet

According to Regulation EC No. 1907/2006

### Laminierharz GP 201

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

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

##### For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

##### For cleaning up

Take up mechanically, placing in appropriate containers for disposal.

#### 6.4. Reference to other sections

none

### 7. Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Keep container tightly closed.

Provide adequate ventilation.

Avoid contact with skin, eyes and clothes.

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

No special fire protection measures are necessary.

##### Advice on general occupational hygiene

Do not breathe vapour.

Wash hands before breaks and after work.

Do not eat, drink or smoke when using this product.

Avoid contact with skin, eyes and clothes.

Remove and wash contaminated clothes before re-use.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Protect from direct sunlight.

##### Hints on joint storage

Incompatible materials: Alkali (lye), Amines, Alcohols

##### Further information on storage conditions

Keep away from food, drink and animal feedingstuffs.

Keep at temperatures between 5 °C and 40 °C.

#### 7.3. Specific end use(s)

No information available.

### 8. Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane		
Worker DNEL, long-term	inhalation	systemic	12,3 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	systemic	12,3 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	8,3 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	8,3 mg/kg bw/day

## Safety Data Sheet

According to Regulation EC No. 1907/2006

### Laminierharz GP 201

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

9003-36-5	Bisphenol F-epichlorohydrin resin		
Worker DNEL, long-term	dermal	systemic	104,15 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	29,39 mg/m <sup>3</sup>
Worker DNEL, acute	dermal	local	0,0083 mg/cm <sup>2</sup>

#### PNEC values

CAS No	Substance	Value
<b>Environmental compartment</b>		
<b>1675-54-3</b>	<b>bis-[4-(2,3-epoxipropoxy)phenyl]propane</b>	
Freshwater		0,006 mg/l
Freshwater (intermittent releases)		0,018 mg/l
Marine water		0,0006 mg/l
Freshwater sediment		0,341 mg/kg
Marine sediment		0,034 mg/kg
Secondary poisoning		11 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,065 mg/kg
<b>9003-36-5</b>	<b>Bisphenol F-epichlorohydrin resin</b>	
Freshwater		0,003 mg/l
Marine water		0,0003 mg/l
Freshwater sediment		0,294 mg/kg
Marine sediment		0,0294 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,237 mg/kg

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

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

###### Eye/face protection

Tightly fitting goggles

###### Hand protection

Chemical-resistant gloves (EN 374)

Suitable materials also for extended, direct contact (recommended: protection index 6, corresponding to a permeation rate > 480 minutes according to EN 374):

butyl rubber (Butyl) - = 0.7 mm thickness

Nitrile rubber (Nitrile) - 0.4 mm thickness

Because of the great variety of glove types, the manufacturer's instructions for use must be adhered to.

The data given refer to information from glove manufacturers or have been assessed by analogy to similar materials.

It should be taken into consideration, that due to the great number of influential factors such as the temperature, the daily durability of chemicals resistant protective gloves may be considerably reduced in practice, compared to the permeation rate assessed according to EN 374.

###### Skin protection

Wear suitable protective clothing.

Safety Shoes

###### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

If product is sprayed, use fresh-air breathing apparatus or (only short-term use) a combination filter A2-P2.

###### Environmental exposure controls

There are no data available on the mixture itself.

## Safety Data Sheet

According to Regulation EC No. 1907/2006

### Laminierharz GP 201

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

#### 9. Physical and chemical properties

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

Physical state:	Liquid	
Colour:	colourless	
Odour:	not determined	

##### Test method

##### Changes in the physical state

Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	> 200 °C	

##### Flammability

Solid/liquid:	not determined	
Gas:	not determined	

Lower explosion limits:	not determined	
Upper explosion limits:	not determined	

Flash point: &gt; 200 °C

Auto-ignition temperature: not determined

Decomposition temperature: &gt; 200 °C

pH-Value: not determined

Viscosity / kinematic: not determined

Water solubility: Immiscible

(at 20 °C)

Solubility in other solvents:  
not determined

Dissolution rate: not determined

Partition coefficient n-octanol/water: not determined

Dispersion stability: not determined

Vapour pressure: not determined

Vapour pressure: not determined

Density (at 20 °C): ~ 1,15 g/cm<sup>3</sup>

DIN EN/ ISO 2811-1

Relative vapour density: not determined

Particle characteristics: not applicable

##### 9.2. Other information

##### Explosive properties

Product does not present an explosion hazard.

##### Other safety characteristics

Viscosity / dynamic: (at 20 °C) 800 – 1300 mPa·s

DIN 53019-1

##### Further Information

There are no data available on the mixture itself.

#### 10. Stability and reactivity

##### 10.1. Reactivity

Exothermic reaction with: Alkali (lye), Amines, Alcohol

##### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

##### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

##### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

## Safety Data Sheet

According to Regulation EC No. 1907/2006

### Laminierharz GP 201

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

#### 10.5. Incompatible materials

Alkali (lye), Amines, Alcohol

#### 10.6. Hazardous decomposition products

The product is stable under storage at normal ambient temperatures.

### 11. Toxicological information

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

##### Toxicokinetics, metabolism and distribution

There are no data available on the mixture itself.

##### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1675-54-3	<b>bis-[4-(2,3-epoxipropoxy)phenyl]propane</b>				
	oral	LD50 15000 mg/kg	Rat		
	dermal	LD50 23000 mg/kg	Rat		
90529-77-4	<b>1,2,3- propanetriol, glycidyl ether</b>				
	oral	LD50 > 5000 mg/kg	Rat		
9003-36-5	<b>Bisphenol F-epichlorohydrin resin</b>				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rat		

##### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

##### Sensitising effects

Contains epoxy constituents.

May produce an allergic reaction.

May cause an allergic skin reaction. (bis-[4-(2,3-epoxipropoxy)phenyl]propane; Bisphenol F-epichlorohydrin resin)

##### Carcinogenic/mutagenic/toxic effects for reproduction

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

##### STOT-single exposure

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

##### STOT-repeated exposure

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

##### Aspiration hazard

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

##### Specific effects in experiment on an animal

There are no data available on the mixture itself.

##### Additional information on tests

There are no data available on the mixture itself.

##### Practical experience

There are no data available on the mixture itself.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

There are no data available on the mixture itself.

##### Other information

There are no data available on the mixture itself.

## Safety Data Sheet

According to Regulation EC No. 1907/2006

### Laminierharz GP 201

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

#### 12. Ecological information

##### 12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1675-54-3	<b>bis-[4-(2,3-epoxipropoxi)phenyl]propane</b>					
	Acute fish toxicity	LC50	2 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	11 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	1,8 mg/l	48 h	Daphnia magna (Big water flea)	
9003-36-5	<b>Bisphenol F-epichlorohydrin resin</b>					
	Acute fish toxicity	LC50 mg/l	2,54	96 h	Fish	
	Acute algae toxicity	ErC50 mg/l	> 1,8	72 h	algae	
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h	Daphnia magna (Big water flea)	

##### 12.2. Persistence and degradability

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
1675-54-3	<b>bis-[4-(2,3-epoxipropoxi)phenyl]propane</b>			
	OECD 302B	12 %	28	
	Not readily biodegradable (according to OECD criteria)			
9003-36-5	<b>Bisphenol F-epichlorohydrin resin</b>			
	Biodegradable (OECD): 301 B	16 %	28	
	Poorly biodegradable.			

##### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1675-54-3	bis-[4-(2,3-epoxipropoxi)phenyl]propane	3,242
9003-36-5	Bisphenol F-epichlorohydrin resin	3,6

##### BCF

CAS No	Chemical name	BCF	Species	Source
1675-54-3	bis-[4-(2,3-epoxipropoxi)phenyl]propane	31		

##### 12.4. Mobility in soil

There are no data available on the mixture itself.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

##### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

##### 12.7. Other adverse effects

There are no data available on the mixture itself.



**Safety Data Sheet**

According to Regulation EC No. 1907/2006

**Laminierharz GP 201**

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

**Further information**

Do not allow to enter into surface water or drains.

**13. Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number.

The waste code number must be agreed with the disposer / manufacturer / competent authority.


**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.


Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

**14. Transport information****Land transport (ADR/RID)**

<b>14.1. UN-number or ID-number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxide derivatives)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9 
Classification code:	M6
Special Provisions:	274 335 375 601
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	90
Tunnel restriction code:	(-)

**Marine transport (IMDG)**

<b>14.1. UN-number or ID-number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxide derivatives)
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III
Hazard label:	9 
Marine pollutant:	yes

**Safety Data Sheet**

According to Regulation EC No. 1907/2006

**Laminierharz GP 201**

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

Special Provisions: 274, 335  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 EmS: F-A, S-F

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN-number or ID-number:** UN 3082**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Epoxide derivatives)**14.3. Transport hazard class(es):** 9**14.4. Packing group:** III  
**Hazard label** 9

Special Provisions: A97 A158  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y964  
 Excepted quantity: E1  
 IATA-packing instructions - Passenger: 964  
 IATA-max. quantity - Passenger: 450 L  
 IATA-packing instructions - Cargo: 964  
 IATA-max. quantity - Cargo: 450 L

**14.5. Environmental hazards**  
ENVIRONMENTALLY HAZARDOUS: yes**14.6. Special precautions for user**  
There are no data available on the mixture itself.**14.7. Maritime transport in bulk according to IMO instruments**  
There are no data available on the mixture itself.**Other applicable information**  
There are no data available on the mixture itself.**15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII): Entry 3

**Additional information**

This product does not contain substances of very high concern &gt; 0,1% (Regulation (EC) No 1907/2006 (REACH), Article 57).

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

**National regulatory information****Water hazard class (D):** 2 - obviously hazardous to water**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

bis-[4-(2,3-epoxipropoxy)phenyl]propane

Bisphenol F-epichlorohydrin resin

**Safety Data Sheet**

According to Regulation EC No. 1907/2006

**Laminierharz GP 201**

Date of issue/Date of revision: 17.11.2022

en / EU - Version 1.1

**16. Other information****Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

**Relevant H and EUH statements (number and full text)**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.  
EUH205 Contains epoxy constituents. May produce an allergic reaction.

**Further Information**

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

Key literature references and sources for data Regulation (EC) No 1907/2006; Regulation (EC) No. 1272/2008

The information of this MSDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this MSDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.