

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

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

#### 1.1 Product identifier

Trade name **Legno Hardener** **7084a:**  
Product number 7084000210

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

Relevant identified uses Hardener for solvent-based coating materials;  
for industrial or professional end-uses.  
Uses advised against Do not use for private purposes (household).

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

##### Manufacturer/Supplier:

ADLER-Werk Lackfabrik Johann Berghofer GmbH & Co KG  
Bergwerkstraße 22  
A-6130 Schwaz  
Austria

Telephone: +4352426922713  
e-mail: sdb-info@adler-lacke.com

Further information obtainable from: sdb-info@adler-lacke.com

Telephone  
+43 5242 6922-713  
Mon - Thu 07:00 - 16:25  
Fri 07:00 - 12:15

#### 1.4 Emergency telephone number

Country	Name	Telephone
Austria	Vergiftungsinformationszentrale (Poison Information Center)	+43 1 406 43 43

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Hazard class	Category	Hazard class and category	Hazard statement
acute toxicity (inhal.)	4	Acute Tox. 4	H332
skin sensitisation	1	Skin Sens. 1	H317
specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word warning

**Legno Hardener**

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:**- Pictograms**

GHS07

**- Hazard statements**

H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

**- Precautionary statements**

P261 Avoid breathing mist/vapours/spray.  
P280 Wear protective gloves/eye protection/face protection.  
P312 Call a POISON CENTRE/doctor if you feel unwell.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents, container in accordance with national regulations.

**- Supplemental hazard information**

EUH204 Contains isocyanates. May produce an allergic reaction.

**- Hazardous ingredients for labelling**

hexamethylene-1,6-diisocyanate, oligomers,  
hexamethylene diisocyanate

**2.3 Other hazards**

Bei Verarbeitung dieses Produktes länger als 1h/Tag oder 5h/Woche sind periodische ärztliche Untersuchungen vorgeschrieben (VGÜ - Verordnung über die Gesundheitsüberwachung am Arbeitsplatz; BGBl. II Nr. 27/1997 i.d.g.F.). Keep out of reach of children and do not empty into the drains. Dispose remainders properly (collection of hazardous waste, disposal companies). Empty containers must be entered into the recycling system. The usual safety precautions must be observed during processing of the product.

**Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not relevant (mixture)

**3.2 Mixtures**

Description of the mixture

Aliphatic polyisocyanate

Name of substance	Identifier	Wt%	Classification acc. to GHS
hexamethylene-1,6-diisocyanate, oligomers	CAS No 28182-81-2  EC No 500-060-2 931-274-8  REACH Reg. No 01-2119485796-17-xxxx	$\geq 75$	Acute Tox. 4 / H332 Skin Sens. 1 / H317 STOT SE 3 / H335
hexamethylene diisocyanate	CAS No 822-06-0	0,036 - < 0,1	Acute Tox. 3 / H331 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

Name of substance	Identifier	Wt%	Classification acc. to GHS
	EC No 212-485-8  Index No 615-011-00-1  REACH Reg. No 01-2119457571-37-xxxx		Resp. Sens. 1 / H334 Skin Sens. 1 / H317 STOT SE 3 / H335

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
hexamethylene-1,6-diisocyanate, oligomers	-	-	>11 mg/l/4h >1,5 mg/l/4h	inhalation: vapour inhalation: dust/mist
hexamethylene diisocyanate	Resp. Sens. 1; H334: C ≥ 0,5 % Skin Sens. 1; H317: C ≥ 0,5 %	-	>3 mg/l/4h	inhalation: vapour

### Remarks

For full text of abbreviations: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

#### Following skin contact

Take off contaminated clothing. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Do not use any solvents or thinners!.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Keep at rest. IF SWALLOWED: Immediately call a doctor.

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

Symptoms and effects are not known to date.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol resistant foam, Sand

#### Unsuitable extinguishing media

Water jet

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

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

Deposited combustible dust has considerable explosion potential. Thick smoke may occur in case of a fire. Inhaling the decomposed products may cause serious damage to health. The formation of explosive dust-air-mixtures is possible. Upon contact with air, the vapours may form an explosive mixture. . Combustible.

Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety. Provision of sufficient ventilation. Control of dust.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

Advice on how to contain a spill

Covering of drains, Take up mechanically, Fill contaminated material in the original container or any other suitable one and dispose it in accordance with point 13.

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedstuffs.

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

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

Managing of associated risks

- Explosive atmospheres  
Removal of dust deposits.
- Flammability hazards  
Keep away from sources of ignition - No smoking. Ground/bond container and receiving equipment.

Control of effects

Do not pierce or burn, even after use. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. . Close the open container carefully and keep it straight to prevent leakage.  
Store in the original container. Storage temperature of 0 °C/32 °F and up to 50 °C/122 °F.

- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Ceiling-C [ppm]	Ceiling-C [mg/m <sup>3</sup> ]	Notation	Source
AT	biologically inert suspended solids		MAK		10		20 (60 min)			i	GKV
AT	biologically inert suspended solids		MAK		5		10 (60 min)			r	GKV
AT	hexamethylene-1,6-diisocyanate	822-06-0	MAK	0,005	0,035			0,005	0,035		GKV
EU	diisocyanates	822-06-0	IOEL V		0,01		0,02			NCO, H	2024/869/EU

#### Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
H	absorbed through the skin
i	inhalable fraction
NCO	measured total-NCO (isocyanate)
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

Relevant DNELs of components						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	DNEL	0,5 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	DNEL	1 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects
hexamethylene diisocyanate	822-06-0	DNEL	0,035 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
hexamethylene diisocyanate	822-06-0	DNEL	0,07 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	acute - local effects

Relevant PNECs of components						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	PNEC	0,127 mg/l	aquatic organisms	freshwater	short-term (single instance)
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	PNEC	0,013 mg/l	aquatic organisms	marine water	short-term (single instance)
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	PNEC	88 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	PNEC	266.701 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	PNEC	26.670 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	PNEC	53.183 mg/kg	terrestrial organisms	soil	short-term (single instance)
hexamethylene diisocyanate	822-06-0	PNEC	0,049 mg/l	aquatic organisms	freshwater	short-term (single instance)
hexamethylene diisocyanate	822-06-0	PNEC	0,005 mg/l	aquatic organisms	marine water	short-term (single instance)
hexamethylene diisocyanate	822-06-0	PNEC	8,42 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
hexamethylene diisocyanate	822-06-0	PNEC	0,674 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
hexamethylene diisocyanate	822-06-0	PNEC	0,067 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
hexamethylene diisocyanate	822-06-0	PNEC	0,523 mg/kg	terrestrial organisms	soil	short-term (single instance)

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

- Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Use protective gloves made of butyl rubber as spray protection for short-term work. Material strength: 0.5mm, penetration time  $\geq$  480 min.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

During spraying wear suitable respiratory equipment. Combination filtering device (EN 141). Particulate filter device (EN 143). Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	solid
Colour	colourless
Odour	characteristic
Melting point/freezing point	-51,3 °C
Boiling point or initial boiling point and boiling range	not determined
Flammability	not relevant
Lower and upper explosion limit	this information is not available
Flash point	190 °C
Auto-ignition temperature	
pH (value)	not applicable
Kinematic viscosity	28 – 32 <sup>s</sup> / <sub>DIN 6mm</sub>

Solubility(ies)

Water solubility	not miscible in any proportion
------------------	--------------------------------

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

### Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
---	-----------------------------------

Vapour pressure	0,003 Pa at 25 °C
-----------------	-------------------

### Density and/or relative density

Density	1,15 g/cm <sup>3</sup> at 20 °C
Relative vapour density	not relevant (solid)

Particle characteristics	no data available
--------------------------	-------------------

### Other safety parameters

Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
----------------------	---

## 9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

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

#### Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

### 10.5 Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Harmful if inhaled.

##### - Acute toxicity estimate (ATE)

Inhalation: vapour >11,01 mg/l/4h

Inhalation: dust/mist >1,501 mg/l/4h

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	inhalation: vapour	>11 mg/l/4h
hexamethylene-1,6-diisocyanate, oligomers	28182-81-2	inhalation: dust/mist	>1,5 mg/l/4h
hexamethylene diisocyanate	822-06-0	inhalation: vapour	>3 mg/l/4h

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

##### Respiratory or skin sensitisation

May cause an allergic skin reaction.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

May cause respiratory irritation.

##### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

##### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

#### 11.2 Information on other hazards

There is no additional information.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### 12.2 Persistence and degradability

Data are not available.

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Endocrine disrupting properties

Not listed.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

List of wastes, Decision 2000/532/EC on the list of waste

- Product

08 05 01\* waste isocyanates

- Product residues

15 01 10\* packaging containing residues of or contaminated by hazardous substances

- Packagings

15 01 02 plastic packaging

15 01 04 metallic packaging

#### List of wastes (ÖNORM S 2100)

55502: Altlacke, Altfarben, soferne lösemittel- und/oder schwermetallhaltig, sowie nicht voll ausgehärtete Reste in Gebinden.

- Restentleerte Verpackungen (ja nach angeführtem Recyclingcode gemäß der Richtlinie 94/62/EG auf der Verpackung)

35105: Eisenmetalleballagen (Recyclingcode FE40).

57118: Kunststoffemballagen und -behältnisse (Recyclingcodes: PET01, PE-HD02, PE-LD04 oder PP05).

#### Disposal methods:

##### Product

Waste production should be avoided or minimised if possible.

Do not empty into the drains. Avoid releasing the product into the environment. Waste, containers must be removed, disposed in a safe way.

##### Packagings

Waste production should be avoided or minimised if possible.

Packaging waste should be recycled. Burning or landfilling should only be considered if recycling is not feasible.

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

Notes on disposal:

### Product

Disposal of this product and its dissolutions and by-products must be carried out in accordance with the environmental protection requirements and waste disposal laws as well as the requirements of the local authorities at all times. Excess must be handed over, disposed to a recognised waste disposal company (disposal company/recycling company).

### Packagings

With the aid of the information provided in this safety data sheet, the responsible authorities must be consulted regarding classification of empty containers, packaging. Empty containers should be disposed, recycled according to type. Licenced containers, packaging can be disposed free of charge via system partners, where applicable. Containers with residual contents must be disposed in accordance with local and national legal provisions.

### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

- |   |   |
|---|---|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant  |
| <b>14.3 Transport hazard class(es)</b>                              | none  |
| <b>14.4 Packing group</b>   | not assigned  |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information**

Not subject to ADR, RID and ADN.

#### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

#### **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

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

#### **Relevant provisions of the European Union (EU)**

#### **List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**

none of the ingredients are listed

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

### Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

### Deco-Paint Directive (2004/42/EC)

VOC content	0 % 0 g/l
-------------	--------------

### Industrial Emissions Directive (IED) (2010/75/EU)

VOC content	0 % 0 g/l
-------------	--------------

### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

### Water Framework Directive (WFD)

none of the ingredients are listed

### Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

### Regulation on drug precursors

none of the ingredients are listed

### Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

### National regulations (Austria)

Ordinance on combustible liquids (VbF) not applicable

- VbF (group and hazard class) not applicable

### National regulations (Germany)

#### Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK 1 slightly hazardous to water  
(water hazard class)

### Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK) 11 (combustible solids)

## 15.2 Chemical safety assessment

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

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

### SECTION 16: Other information

#### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2024/869/EU	Directive of the European Parliament and of the Council amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
GKV	Grenzwerteverordnung
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
IOELV	Indicative occupational exposure limit value
LGK	Lagerklasse (storage class according to TRGS 510, Germany)
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Resp. Sens.	Respiratory sensitisation

## Legno Hardener

Version number: 1.0

Revision: 12.12.2024  
Date of issue: 12.12.2024:

Abbr.	Descriptions of used abbreviations
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
SVHC	Substance of Very High Concern
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
TWA	Time-weighted average
VbF	Ordinance on combustible liquids (Austria)
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

### Note concerning the lower explosion limit of water-thinnable varnishes:

See PTB research report PEx5 200500185, Physical-Technical Federal Agency Braunschweig, September 2005 and report PTB-W-57, February 1994.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.