

**Safety data sheet**

according to Regulation 1907/2006 / EC, article 31

Compilation date: 20.09.2016

Version number 2

Revision: 20.09.2016

**SECTION 1: Identification of the substance or company***iscela and the company /*

- **1.1 Product identifier**
- **Trade name:** *LIGNEX GRUND BPIv*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
*No other information available.*
- **Application of the substance / the preparation**      *Wood protection agent*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / supplier:**  
*Amonn Coatings GmbH  
An der Landesbahn 7  
A-2100 Korneuburg  
Tel. : +43 2262 735 80 - Fax. : +43 2262 735 80-19*
- **Distributor:**  
*JF Amonn SPA / AG  
I-39100 Bolzano / Bozen  
Via Altmann 12 Altmannstraße  
Tel. : +39 0471 904-911 - Fax. : +39 0471 910-449*
- **Information provided by:** *Email: verkauf@amonn.at*
- **1.4 Emergency telephone number:**  
*Poison Control Center - Niguarda Hospital - Milan: 02/66101029*

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No. 1272 / 2008**
- Asp. Tox. 1      H304 May be fatal if swallowed and enters airways  
respiratory.*
- Aquatic Acute 1      H400 Very toxic to aquatic life.*
- Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.*

- **2.2 Label elements**
- **Labeling according to Regulation (EC) No. 1272/2 008**  
*The product is classified and labeled according to the CLP regulation.*
- **Hazard pictograms**



GHS08 GHS09

- **Warning** *Danger*
- **Hazardous components that determine its labeling**      *ature:*  
*Naphtha (petroleum), hydrotreated heavy*
- **Hazard statements**  
*H304 May be fatal if swallowed and enters airways. H410 Very toxic to aquatic life with long lasting effects.*
- **Precautionary advice**
- P101      If you need to consult a doctor, have the container or the label of the product available.*
- P102      Keep out of reach of children. Do not*
- P273      disperse in the environment.*
- P301 + P310 IF SWALLOWED: Immediately contact a POISON CENTER / a doctor.*
- P331      DO NOT induce vomiting. Collect*
- P391      spilled material. Keep locked up.*
- P405*
- P501      Dispose of the product / container in accordance with local / regional / national / international regulations.*

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- Further data:  
EUH066 Repeated exposure may cause skin dryness or cracking. EUH208 Contains 3-iodo-2-propinylbutylcarbamate. It can cause an allergic reaction.
- 2.3 Other dangers
- Results of PBT and vPvB assessment
- PBT:Not applicable.
- vPvB:Not applicable.

## SECTION 3: Composition / information on ingredients nti

- 3.2 Mixtures
- Description:Mixture of the following substances with non-hazardous additives.

### • Dangerous substances:

CAS: 64742-48-9 918-481-9 Reg.nr.: 01-2119457273-39-xxxx	Naphtha (petroleum), hydrotreated heavy Asp. Tox. 1, H304	50-100%
CAS: 55406-53-6 EINECS: 259-627-5	3-iodo-2-propinylbutylcarbamate Acute Tox. 3, H331; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M = 10); Aquatic Chronic 1, H410 (M = 1); Acute Tox. 4, H302; Skin Sens. 1, H317	<1.0%
CAS: 107534-96-3 ELINCS: 403-640-2	1- (4-chlorophenyl) -4,4-dimethyl-3- (1,2,4-triazol-1-ylmethyl) pentan-3-ol Repr. 2, H361d; Aquatic Chronic 2, H411; Acute Tox. 4, H302	<0.5%
CAS: 52645-53-1 EINECS: 258-067-9	3- (2,2-dichlorovinyl) -2,2-dimethylcyclopropanecarboxylate of m-phenoxybenzyl (permethrin (ISO)) Aquatic Acute 1, H400 (M = 1000); Aquatic Chronic 1, H410 (M = 1000); Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	<0.1%

- Further information: The text of the warning of the hazards mentioned can be found in chapter 16

## SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General indications:Remove any clothing contaminated by the product immediately.
- Inhalation:Bring to a well-ventilated area, in case of problems consult a doctor.
- Skin contact:Generally the product is not irritating to the skin.
- Eye contact  
Wash with running water for several minutes holding the eyelids wide open and consult your doctor.
- Ingestion:Seek medical advice immediately.
- 4.2 Main symptoms and effects, both acute and delayedNo other information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No other information available.

## SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing media:  
CO<sup>2</sup>, powder or water spray. Extinguish large fires with water spray or alcohol resistant foam.
- Unsuitable extinguishing media for safety reasons to:Water jets.
- 5.2 Special hazards arising from the substance or the mixtureNo other information available.
- 5.3 Recommendations for firefighters of fires
- Specific protective means: No special measures are required.

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**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Not necessary.
- **6.2 Environmental precautions:**  
In case of infiltration into bodies of water or sewers, notify the competent authorities.
- **6.3 Methods and materials for containment and cleaning up:**  
Collect the liquid with absorbent material (sand, diatomaceous earth, sawdust). Disposal of contaminated material according to point 13 Provide adequate ventilation.
- **6.4 Reference to other sections**  
For information on safe handling see Section 7.  
For information on personal protective equipment, see Chapter 8. For information on disposal, see Chapter 13.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** Accurate ventilation / extraction in the workplace.
- **Advice in case of fire and explosion:** No special measures are required.
- **7.2 Conditions for safe storage, including e** possible incompatibilities
- **Storage:**
- **Requirements for warehouses and vessels:**  
Store in a dry and well ventilated place, between +5 ° C and +40 ° C. Protect from heat and direct sunlight. Keep containers tightly closed.
- **Notes on mixed storage:** Not necessary.
- **Further information relating to the conditions of i** storage:None.
- **Storage class:** 10
- **7.3 Specific end uses** No other information available.

**SECTION 8: Exposure controls / protection in individual**

- **Further information on the structure of implants t** technical:No further data, see point 7

• **8.1 Control parameters**

- **Components with limit values to be met** under control in the workplace

34590-94-8 (methyl-2-methoxyethoxy) propanol (3-7%)

**TWA** Short term value: 909 mg / m<sup>3</sup>, 150 ppm  
Long-term value: 606 mg / m<sup>3</sup>, 100 ppm  
**Skin**

**VL** Long-term value: 308 mg / m<sup>3</sup>, 50 ppm  
**skin**

- **Further information:**The lists valid at the date of compilation were used as a basis.

• **8.2 Exposure controls**

- **Individual protective means**

- **General protective and occupational hygiene**

rules: Keep away from food, drink and fodder.

Wash hands before breaks or at the end of work. Do not inhale gas / vapor / aerosol.

- **Protective mask:**In insufficiently ventilated areas, use a protective mask.

- **Protective Gloves:**

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Due to lack of tests no recommendation to the glove material of any type can be made for the product / the preparation / the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Glove material**

The selection of the suitable gloves does not only depend on the material but also on other quality characteristics which vary from manufacturer to manufacturer. As the product represents one more formulation

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substances, the stability of the glove material cannot be calculated in advance and has therefore to be checked prior to the application

• **Breakthrough time of glove material**

The exact breakthrough time has to be found out by the manufacturer of the gloves and has to be observed.

• **Safety goggles:** The use of protective goggles is recommended when pouring.

## SECTION 9: Physical and chemical properties

• <b>9.1 Information on physical and chemical properties</b>	<b>fundamental</b>
• <b>General indications</b>	
• <b>Appearance:</b>	
<b>Form:</b>	<b>liquid</b>
<b>Color:</b>	<b>yellowish</b>
• <b>Odor:</b>	<b>characteristic</b>
• <b>Odor threshold:</b>	<b>Undefined.</b>
• <b>pH values:</b>	<b>Undefined.</b>
• <b>Change of state</b>	
<b>Melting point / Melting range: Boiling point / Boiling range:</b>	<b>Undefined</b>
	<b>180 ° C</b>
• <b>Flash point:</b>	<b>65 ° C</b>
• <b>Flammability (solid, gaseous):</b>	<b>Not applicable.</b>
• <b>Ignition temperature:</b>	<b>240 ° C</b>
• <b>Decomposition temperature:</b>	<b>Undefined.</b>
• <b>Self-ignition:</b>	<b>Not self-igniting product.</b>
• <b>Danger of explosion:</b>	<b>Non-explosive product.</b>
• <b>Flammability limits:</b>	
<b>lower:</b>	<b>0.7 Vol%</b>
<b>superior:</b>	<b>6.0 Vol%</b>
• <b>Vapor pressure at 20 ° C:</b>	<b>3 hPa</b>
• <b>Density at 20 ° C:</b>	<b>0.804 g / cm<sup>3</sup></b>
• <b>Relative density</b>	<b>Undefined.</b>
• <b>Vapor density</b>	<b>Undefined.</b>
• <b>Evaporation rate</b>	<b>Undefined.</b>
• <b>Solubility in / Miscibility with Water:</b>	<b>little and / or not miscible</b>
• <b>Distribution coefficient (n-octanol / water):</b>	<b>Undefined.</b>
• <b>Viscosity:</b>	
<b>dynamics at 20 ° C:</b>	<b>1.7 mPas</b>
<b>kinematics:</b>	<b>Undefined.</b>
• <b>Solvent content:</b>	
<b>Organic solvents:</b>	<b>92.9%</b>
<b>Waterfall:</b>	<b>0.0%</b>
<b>Solid content:</b>	<b>7.0%</b>
• <b>9.2 Other information</b>	<b>No other information available.</b>

## SECTION 10: Stability and reactivity

• **10.1 Reactivity** No other information available.

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- 10.2 Chemical stability
- Thermal decomposition / conditions to avoid:  
The product does not decompose if used as directed.
- 10.3 Possibility of hazardous reactions There are no known dangerous reactions.
- 10.4 Conditions to avoid No other information available.
- 10.5 Incompatible materials: No other information available.
- 10.6 Hazardous decomposition products: There are no known dangerous decomposition products.

**SECTION 11: Toxicological information**

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

- LD / LC50 values relevant for classification:

64742-48-9 Naphtha (petroleum), heavy hy drotreating "		
Oral	LD50	> 2000 mg / kg (Rat (Rattus))
Cutaneous	LD50	> 2000 mg / kg (rab)
55406-53-6 3-iodo-2-propynyl butylcarbamate		
Oral	LD50	1470 mg / kg (Rat (Rattus))
Cutaneous	LD50	> 2000 mg / kg (Rabbit (Cuninculus))
Inhalation LC50 / 4 h 0.67 mg / l (Rat (Rattus))		
107534-96-3 1- (4-chlorophenyl) -4,4-dimethyl-3- (1,2,4-triazol-1-ylmethyl) pentan-3-ol		
Oral	LD50	4000 mg / kg (Rat (Rattus))
Cutaneous	LD50	> 5000 mg / kg (Rat (Rattus))
52645-53-1 3- (2,2-dichlorovinyl) -2,2-dimethylcycloprop m-phenoxybenzyl ancarboxylate (permethrin (ISO))		
Oral	LD50	480 mg / kg (Rat (Rattus))
Cutaneous	LD50	> 2000 mg / kg (Rat (Rattus))
Inhalation LC50 / 4 h 11 mg / l (ATE)		

- Primary irritability:
- On the skin: Based on available data, the classification criteria are not met.
- On the eyes: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitization  
Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity  
Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity  
Based on available data, the classification criteria are not met.
- Specific Target Organ Toxicity (STOT) - and single exposure Based on available data, the classification criteria are not met.
- Specific target organ toxicity (STOT) - and repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard  
It can be fatal if swallowed and if it enters the respiratory tract.

**SECTION 12: Ecological information**

- 12.1 Toxicity
- Aquatic toxicity: No other information available.
- 12.2 Persistence and degradability No other information available. No
- 12.3 Bioaccumulative potential other information available.
- 12.4 Mobility in soil No other information available.
- Toxic effects on the environment:
- Remarks: Very toxic to fish.

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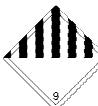



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- **Further environmental information:**
- **Further information:**  
**Water hazard class 2 (D) (Self-classification): dangerous Do not enter groundwater, water courses or sewers.**  
**Danger for drinking water even in case of leaks into the subsoil of small quantities of product.**  
**Toxic to fish and plankton.**  
**Very toxic to aquatic organisms**
- **12.5 Results of PBT and vPvB assessment**
- **PBT:Not applicable.**
- **vPvB:Not applicable.**
- **12.6 Other adverse effects**No other information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Advice:**Do not dispose of the product with household waste. Do not enter the sewers
- **European waste catalog**
- 03 02 02 \* wood preservative treatment products containing chlorinated organic compounds
- **Uncleaned packaging:**
- **Advice:**Disposal in accordance with administrative regulations.

## SECTION 14: Transport information

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• <b>14.1 UN number</b></li> <li>• <b>ADR, IMDG, IATA</b></li> </ul>    | <p><b>A3082</b></p>  |
| <ul style="list-style-type: none"> <li>• <b>14.2 UN proper shipping name</b></li> <li>• <b>ADR</b></li> </ul>  | <p><b>3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (3- (2, 2- di c lor ov i ni l) - 2, 2- dimethylcyclopropanecarboxylate of m- phenoxybenzyl (permethrins (ISO)))</b><br/> <b>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (permethrin (ISO) m- phenoxybenzyl 3- (2,2-dichlorovinyl) -2,2- dimethylcyclopropanecarboxylate, 3-Iodo-2- propynylbutylcarbamate), MARINE POLLUTANT</b><br/> <b>Environmentally hazardous substance, liquid permethrin (ISO) m-phenoxybenzyl 3- (2,2- dichlorovinyl) - 2, 2 - dimethylcyclopropanecarboxylate)</b></p> |
| <ul style="list-style-type: none"> <li>• <b>14.3 Transport hazard classes</b></li> <li>• <b>ADR</b></li> </ul> | <div style="display: flex; align-items: center;">   </div> <p>• <b>Class</b></p> <p>• <b>Label</b></p>   |
| <ul style="list-style-type: none"> <li>• <b>IMDG, IATA</b></li> </ul>  | <div style="display: flex; align-items: center;">   </div> <p>• <b>Class</b></p>   |

9 (M6) Miscellaneous dangerous substances and articles 9

9 Various dangerous substances and articles

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• <b>Label</b>	<b>9</b>
• <b>14.4 Packing group</b> • <b>ADR, IMDG, IATA</b>	<b>III</b>
• <b>14.5 Environmental hazards:</b>  • <b>Marine pollutant:</b> • <b>Special marking (ADR):</b> • <b>Special marking (IATA):</b>	<b>The product contains materials dangerous for the environment: 3-iodo-2-propenylbutylcarbamate, 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate of m-phenoxybenzyl (permethrins (ISO))</b> <b>Symbol (fish and tree)</b> <b>Symbol (fish and tree)</b> <b>Symbol (fish and tree)</b>
• <b>14.6 Special precautions for users</b> • <b>Kemler number:</b> • <b>EMS number:</b> • <b>Stowage Category</b>	<b>Attention: Various dangerous substances and objects</b> <b>90</b> <b>FA, SF</b> <b>TO</b>
• <b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	<b>Not applicable.</b>
• <b>Transport / further information:</b>	
• <b>ADR</b> • <b>Limited quantities (LQ)</b> • <b>Excepted quantities (EQ)</b>	<b>5L</b> <b>Code: E1</b> <b>Maximum net quantity for internal packaging: 30 ml</b>  <b>Maximum net quantity for outer packaging: 1000 ml</b>
• <b>Transport category</b> • <b>Tunnel restriction code</b>	<b>3</b> <b>AND</b>
• <b>IMDG</b> • <b>Limited quantities (LQ)</b> • <b>Excepted quantities (EQ)</b>	<b>5L</b> <b>Code</b> <b>Maximum net quantity for internal packaging: 30 ml</b>  <b>Maximum net quantity for outer packaging: 1000 ml</b>
• <b>UN "Model Regulation":</b>	<b>A 3 0 8 2 MAT ER IAP ER I COLOS A FOR THE ENTITY, LI QU I DA, N. TO . S. (3 - (2, 2 - DICHLOROVINIL) - 2, 2 - DIMETHYLCYCLOPPANCARBOXYLATE OF M-PHENOSSIBENTYL (PERMETHRINE (ISO))), 9, III</b>

**SECTION 15: Regulatory information**• **15.1 Laws and regulations on health, safety and environment specific to the substance or mixture**• **Directive 2012/18 / EU**• **Specified dangerous substances - ANNEX I** **None of the components are contained.**• **Seveso category E1 Hazardous to the aquatic environment**• **Qualifying quantity (tonnes) for the purpose of the application****one of the lower-tier requirements****1 t**• **Qualifying quantity (tonnes) for the purpose of the application****one of the upper-tier requirements****2 t**• **National regulations:**• **Air technical instruction:**

<b>Class</b>	<b>share in%</b>
<b>NC</b>	<b>92.9</b>

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- **Water hazard class:**  
**Water hazard class 2 (WGK2) (Self-classification): dangerous**
- **15.2 Chemical safety assessment:**  
**A chemical safety assessment has not been carried out.**

## SECTION 16: Other information

**The data are based on our current knowledge, however they do not represent any guarantee of the product characteristics and do not justify any contractual legal relationship.**

- **Relevant phrases**

- H302** Harmful if swallowed.
- H304** It can be fatal if swallowed and if it enters the respiratory tract. May
- H317** cause an allergic skin reaction.
- H318** Causes serious eye damage.
- H331** Toxic if inhaled.
- H332** Harmful if inhaled.
- H361d** Suspected of damaging the unborn child.
- H372** Causes damage to organs through prolonged or repeated exposure.
- H400** Very toxic to aquatic organisms.
- H410** Very toxic to aquatic life with long lasting effects. Toxic to
- H411** aquatic life with long lasting effects.

- **Card issued by:** Technical department.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods IATA:  
 International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS:  
 European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic vPvB:  
 very Persistent and very Bioaccumulative Acute  
 Tox. 4: Acute toxicity, Hazard Category 4 Acute  
 Tox. 3: Acute toxicity, Hazard Category 3  
 Eye Dam. 1: Serious eye damage / eye irritation, Hazard Category 1  
 Skin Sens. 1: Sensitization - Skin, Hazard Category 1  
 Repr. 2: Reproductive toxicity, Hazard Category 2  
 STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1 Asp.  
 Tox. 1: Aspiration hazard, Hazard Category 1  
 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2