

**Safety data sheet**

according to Regulation 1907/2006 / EC, article 31

Compilation date: 17.04.2018

Version number 5

Revision: 17.04.2018

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

- 1.1 Product identifier
- Trade name: **LIGNEX AQUA ISOLIERGRUND**
- 1.2 Relevant identified uses of the substance or mixture the mixture and uses advised against  
de No other information available.
- Application of the substance / the preparation  
Painting  
Wood coating
- 1.3 Details of the supplier of the data sheet safety
- 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 srI / GmbH  
I-39100 Bolzano / Bozen  
Altmann Street 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  
The product is not classified according to the CLP regulation.
- 2.2 Label elements
- Labeling according to Regulation (EC) No. 1272/2 008fails
- Hazard pictograms fails
- Warningfails
- Hazard statements fails
- 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: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	2-propanol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	3-7%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 1-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1.5-3%

- 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. No specific measures are required.
- 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.

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- 4.2 Main symptoms and effects, both acute and delayed No 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<sub>2</sub>, powder or water spray. Extinguish large fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance the mixture  
or No other information available.
- 5.3 Recommendations for firefighters of fires
- Specific protective means: No special measures are required.

**SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures Not necessary.
- 6.2 Environmental precautions: Dilute abundantly with water.
- 6.3 Methods and materials for containment and cleaning up:  
Collect the liquid with absorbent material (sand, diatomaceous earth, sawdust).
- 6.4 Reference to other sections  
No dangerous substances are released.  
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 No special measures are required. 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 any 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

7727-43-7 barium sulphate, natural (5-10%)

TWA Long-term value: 10 mg / m<sup>3</sup>

1332-58-7 Kaolin (5-10%)

TWA Long-term value: 2 mg / m<sup>3</sup>  
A4 (e, j)

67-63-0 2-propanol (3-7%)

TWA Short term value: 983 mg / m<sup>3</sup>, 400 ppm  
Long-term value: 492 mg / m<sup>3</sup>, 200 ppm A4

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**111-76-2 2-butoxyethanol (1.5-3%)****TWA** Long term value: 97 mg / m<sup>3</sup>, 20 ppm  
A3, IBE**VL** Short term value: 246 mg / m<sup>3</sup>, 50 ppm  
Long term value: 98 mg / m<sup>3</sup>, 20 ppm  
Skin• **DNEL****67-63-0 2-propanol**

<b>Oral</b>	Long-term exposure, systemic effects 26 mg / kg bw / day (Ver)	Long-term exposure, systemic effects 888 mg / kg bw / day (Arb)
<b>Cutaneous</b>		319 mg / kg bw / day (Ver)
<b>Inhalation</b>	Long-term exposure, systemic effects 500 mg / m <sup>3</sup> (Arb)	89 mg / m <sup>3</sup> (Ver)

**111-76-2 2-butoxyethanol**

<b>Oral</b>	Long-term exposure, systemic effects 6,3 mg / kg bw / day (Ver)
	Acute, systemic effects 26.7 mg / kg / day (Ver)
<b>Cutaneous</b>	Long-term exposure, systemic effects 125 mg / kg bw / day (Arb)
	75 mg / kg bw / day (Ver)
	Acute, systemic effects 89 mg / kg / day (Arb)
	89 mg / kg / day (Ver)
<b>Inhalation</b>	Long-term exposure, systemic effects 98 mg / m <sup>3</sup> (Arb)
	59 mg / m <sup>3</sup> (Ver)
	Acute, systemic effects 1.091 mg / m <sup>3</sup> (Arb)
	426 mg / m <sup>3</sup> (Ver)
	Acute, local effects 246 mg / m <sup>3</sup> (Arb)
	147 mg / m <sup>3</sup> (Ver)

• **PNEC****67-63-0 2-propanol**

**PNEC** 140.9 mg / l (freshwater)  
140.9 mg / l (Marine Water)  
2.251 mg / l (sewage treatment plant microorganisms)

**PNEC** 28 mg / kg (soil)  
552 mg / kg (sediment, freshwater) 552  
mg / kg (sediment, marine water)

**111-76-2 2-butoxyethanol**

**PNEC** 8.8 mg / l (freshwater)  
0.88 mg / l (Marine Water)  
463 mg / l (sewage treatment plant microorganisms) 9.1  
mg / l (sporadic release)

**PNEC** 2.33 mg / kg (soil)  
34.6 mg / kg (sediment, freshwater) 20  
mg / kg (secondary poisoning) 3.46 mg /  
kg (sediment, marine water)

• **Components with biological limit values:****67-63-0 2-propanol (3-7%)**

**IBE** 40 mg / l  
Samples: urine  
Time of collection: ftfsf  
Biological indicator: acetone

**111-76-2 2-butoxyethanol (1.5-3%)**

**IBE** 200 mg / g creatinine  
Samples: urine  
Time of collection: at the end of the shift.  
Biological indicator: Butoxyacetic acid

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

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**8.2 Exposure controls****Individual protective means****General protective and occupational hygiene rules:****Observe the usual safety measures when handling chemicals.****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 is a preparation of several substances, the resistance of the glove material can not 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****9.1 Information on physical and chemical properties** **fundamental****General indications****Appearance:****Form:****liquid****Color:****White****Odor:****characteristic****Odor threshold:****Undefined.****pH values at 20 °C:****4 - 5****Change of state****Melting point / freezing point: Initial  
boiling point and boiling range:****Undefined****100 °C****Flash point:****Not applicable****Flammability (solid, gas):****Not applicable.****Ignition temperature:****393 °C****Decomposition temperature:****Undefined.****Self-ignition temperature:****Not self-igniting product.****Explosive properties:****Non-explosive product.****Flammability limits:****lower:****Undefined.****superior:****Undefined.****Vapor pressure at 20 °C:****23 hPa****Density at 20 °C:****1.25 - 1.26 g / cm<sup>3</sup>****Relative density****Not determined.****Vapor density:****Undefined.****Evaporation rate****Undefined.****Solubility in / Miscibility with  
Water:****completely miscible****Partition coefficient: n-octanol / water:****Undefined.****Viscosity:****dynamics:****Undefined.****kinematics at 20 °C:****55 - 60 s (DIN 4 mm)**

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• <b>Solvent content:</b>	
Organic solvents:	12.6%
Waterfall:	36.8%
VOC (CE)	The EU limit value for this product (cat. 1 / d): 130 g / l (2010) This product contains a maximum of 130 g / l of VOC
• <b>Solid content:</b>	50 - 52%
• 9.2 Other information	No other information available.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity No other information available.
- 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:

**67-63-0 2-propanol**

Oral	LD50	5,840 mg / kg (Rat (Rattus))
Cutaneous	LD50	13,900 mg / kg (rab)
For inhalation	LC50 / 4 h	> 25 mg / l (Rat (Rattus))

**111-76-2 2-butoxyethanol**

Oral	LD50	1.746 mg / kg (Rat (Rattus))
Cutaneous	LD50	> 2,000 mg / kg (Guinea pig)
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  
Based on available data, the classification criteria are not met.

**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.

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- **Further environmental information:**
- **Further information:**  
**Danger for water class 1 (D) (Self-classification): not very dangerous**  
**Do not introduce undiluted or large quantities into groundwater, water bodies or sewers.**
- **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:**  
**Deliver the product to special waste collection services or take them to a special waste collection point.**
  - **European waste catalog**
- |            |   |
|------------|---|
| 08 01 15 * | aqueous sludges containing paints and varnishes containing organic solvents or other dangerous substances |
|------------|---|
- **Uncleaned packaging:**
  - **Advice:**Disposal in accordance with administrative regulations.
  - **Recommended cleaner:**Water possibly with the addition of detergents.

**SECTION 14: Transport information**

- |  |                 |
|--|-----------------|
| • <b>14.1 UN number</b>  |                 |
| • <b>ADR, ADN, IMDG, IATA</b>  | fails           |
| • <b>14.2 UN proper shipping name</b>  |                 |
| • <b>ADR, ADN, IMDG, IATA</b>  | fails           |
| • <b>14.3 Transport hazard classes</b>   |                 |
| • <b>ADR, ADN, IMDG, IATA</b>  |                 |
| • <b>Class</b>   | fails           |
| • <b>14.4 Packing group</b>  |                 |
| • <b>ADR, IMDG, IATA</b>   | fails           |
| • <b>14.5 Environmental hazards:</b>   |                 |
| • <b>Marine pollutant:</b>   | No              |
| • <b>14.6 Special precautions for users</b>                                      | Not applicable. |
| • <b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b> | Not applicable. |
| • <b>UN "Model Regulation":</b>  | fails           |

**SECTION 15: Regulatory information**

- **15.1 Laws and regulations on the substance or mixture** specific lute, safety and environment for
  - **REGULATION (EC) n. 1907/2006 ANNEX XVII** Restrictions: 3
  - **National regulations:**
  - **Air technical instruction:**
- |       |           |
|-------|-----------|
| Class | share in% |
| NC    | 12.6      |
- **Water hazard class:**  
**Class 1 water hazard (WGK1) (Self-classification): not very dangerous**

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- **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****H225 Highly flammable liquid and vapor. H302****Harmful if swallowed.****H312 Harmful in contact with skin.****H315 Causes skin irritation. H319****Causes serious eye irritation. H332****Harmful if inhaled.****H336 May cause drowsiness or dizziness.**

- **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)****DNEL: Derived No-Effect Level (REACH) PNEC:****Predicted No-Effect Concentration (REACH) LC50:****Lethal concentration, 50 percent****LD50: Lethal dose, 50 percent****PBT: Persistent, Bioaccumulative and Toxic vPvB:****very Persistent and very Bioaccumulative Flam.****Liq. 2: Flammable liquids - Category 2 Acute Tox.****4: Acute toxicity - Category 4****Skin Irrit. 2: Skin corrosion / irritation - Category 2 Eye Irrit.****2: Serious eye damage / eye irritation - Category 2****STOT SE 3: Specific target organ toxicity (single exposure) - Category 3**

- **\* Data compared to the previous version altered**

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