

# Safety data sheet

Page: 1/12

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Ink for Grout Pen**

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## 1. Identification of the substance/mixture and of the company/undertaking

### Product identifier

## Ink for Grout Pen

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

Relevant identified uses: touching up grouts

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

Company:

Georg LINZ GmbH & Co. KG

Röthensteig 17

90408 Nürnberg

Deutschland

Phone: +49 (0) 911 / 93 77 19 – 0

Fax: +49 (0) 911 / 93 77 19 – 44

E-Mail: [info@linz-pen.de](mailto:info@linz-pen.de)

### Emergency telephone number

Phone: +49 (0) 911 / 93 77 19 – 0

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## 2. Hazards Identification

### Label elements

According to Regulation (EC) No 1272/2008 [CLP]

| Globally Harmonized System, EU (GHS)

Pictogram:

Safety data sheet according to Regulation (EC) No. 1907/2006  
 Date / Revised: 09.08.2013  
 Product: **Acrylic Ink**



Signal Word:  
**Warning**

**Hazard Statement:**

|      |                                   |
|------|-----------------------------------|
| H319 | Causes serious eye irritation.    |
| H315 | Causes skin irritation.           |
| H335 | May cause respiratory irritation. |

**Precautionary Statements (Prevention):**

|      |  |
|------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P271 | Use only outdoors or in a well-ventilated area.                            |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.                          |
| P264 | Wash with plenty of water and soap thoroughly after handling.              |

**Precautionary Statements (Response):**

|                    |  |
|--------------------|--|
| P312               | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P304 + P340        | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
| P303 + P362        | IF ON SKIN (on hair): Wash with plenty of soap and water.  |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.   |
| P337 + P313        | If eye irritation persists: Get medical advice/attention.  |
| P362               | Take off contaminated clothing and wash before reuse.  |
| P321               | Specific treatment (see on this label).  |

**Precautionary Statements (Storage):**

|             |  |
|-------------|--|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405        | Store locked up.   |

**Precautionary Statements (Disposal):**

|      |   |
|------|---|
| P501 | Dispose of contents/container to hazardous or special waste collection point. |
|------|---|

According to Directive 67/548/EEC or 1999/45/EC

Directive 1999/45/EC ('Preparation Directive')

The product does not require a hazard warning label in accordance with EC Directives.

**Classification of the substance or mixture**

According to Regulation (EC) No 1272/2008 [CLP]

|  |
|--|
| Skin Corr./Irrit. 2                          |
| Eye Dam./Irrit. 2                            |
| STOT SE 3 (irritating to respiratory system) |

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Acrylic Ink**

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:

No particular hazards known.

The amount of neutralizer reported in Section 3 is calculated to be the excess neutralizer after creation of the polymer salt.

For the classifications not written out in full in this section the full text can be found in section 16.

### Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

Other Hazards (GHS):

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition/Information on Ingredients

### Mixtures

#### Chemical nature

Ammonium salt of modified styrene acrylic polymers, in water

#### Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Propane-1,2-diol, propoxylated

Content (W/W):  $\geq 0,38\%$  -  $\leq 0,76\%$

CAS Number: 25322-69-4

Alcohols, C12-14-secondary, ethoxylated, Polymer, starting materials listed in EINECS

Content (W/W):  $\geq 0.038\%$  -  $< 0,95\%$  Acute Tox. 4 (oral)

CAS Number: 84133-50-6

Eye Dam./Irrit. 1

H318, H302

ammonia...%

Content (W/W):  $< 0.38\%$

CAS Number: 1336-21-6

EC-Number: 215-647-6

REACH registration number:

01-2119488876-14

INDEX-Number: 007-001-01-2

Skin Corr./Irrit. 1B

Eye Dam./Irrit. 1

Aquatic Acute 1

H400, H314

#### Hazardous ingredients

according to Directive 1999/45/EC

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Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Acrylic Ink**

---

**| Propane-1,2-diol, propoxylated**Content (W/W):  $\geq 0,38 \%$  -  $\leq 0,76 \%$ 

CAS Number: 25322-69-4

**Alcohols, C12-14-secondary, ethoxylated, Polymer, starting materials listed in EINECS**Content (W/W):  $\geq 0.038 \%$  -  $< 0,95\%$ 

CAS Number: 84133-50-6

Hazard symbol(s): Xn

**| R-phrases(s): 41, 22****| ammonia...%**Content (W/W):  $< 0.038\%$ 

CAS Number: 1336-21-6

**| EC-Number: 215-647-6****| REACH registration number: 01-2119488876-14****| INDEX-Number: 007-001-01-2****| Hazard symbol(s): C, N****| R-phrases(s): 34, 50**

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

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## 4. First-Aid Measures

**Description of first aid measures****| Immediately remove contaminated clothing.**

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

**| Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.**

On ingestion:

**| Rinse mouth immediately and then drink plenty of water, seek medical attention.****Most important symptoms and effects, both acute and delayed****| Symptoms:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.**Indication of any immediate medical attention and special treatment needed**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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Safety data sheet according to Regulation (EC) No. 1907/2006  
Date / Revised: 09.08.2013  
Product: **Acrylic Ink**

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

### Special hazards arising from the substance or mixture

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

### Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and in a cool place.

### Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Acrylic Ink**

## 8. Exposure Controls/Personal Protection

### Control parameters

#### Components with workplace control parameters

1336-21-6: ammonia, aqueous solution

TWA value 14 mg/m<sup>3</sup> ; 20 ppm (OEL (EU))

indicative

STEL value 36 mg/m<sup>3</sup> ; 50 ppm (OEL (EU))

indicative

### Exposure controls

#### Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form: liquid

Colour: white

Odour: ammonia-like

Odour threshold:

not determined

pH value:

7.5 - 8.3

Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Acrylic Ink**

|   |   |
|---|---|
| Melting point:                                      | approx. 0 °C  |
| onset of boiling:                                   | approx. 100 °C  |
| Flash point:  | > 100 °C  |
| Evaporation rate:                                   | not determined  |
| Flammability:                                       | does not ignite   |
| Lower explosion limit:                              | 15 %(V)<br>Product not examined: Value is calculated from the data of the components. |
| Upper explosion limit:                              | 28 %(V)<br>Product not examined: Value is calculated from the data of the components. |
| Ignition temperature:                               | No data available.  |
| Density:  | 1.03 g/cm <sup>3</sup><br>(20 °C)   |
| Relative density:                                   | 1.03<br>(20 °C)   |
| Relative vapour density (air):                      | not determined  |
| Solubility in water:                                | dispersible   |
| Partitioning coefficient n-octanol/water (log Kow): | Study scientifically not justified.   |
| Self ignition:                                      | Based on the water content the product does not ignite.                               |
| Thermal decomposition:                              | Stable up to boiling point.   |
| Explosion hazard:                                   | not explosive   |
| Fire promoting properties:                          | not fire-propagating  |

### Other information

|                          |  |
|--------------------------|--|
| Hygroscopy:              | Non-hygroscopic  |
| Surface tension:         | not determined   |
| Grain size distribution: | The substance / product is marketed or used in a non solid or granular form. |

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

### Conditions to avoid

See MSDS section 7 - Handling and storage.

Safety data sheet according to Regulation (EC) No. 1907/2006  
Date / Revised: 09.08.2013  
Product: **Acrylic Ink**

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## Incompatible materials

Substances to avoid:

| No substances known that should be avoided.

## Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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# 11. Toxicological Information

## Information on toxicological effects

### Acute toxicity

Experimental/calculated data:

| LD50 rat (oral): > 5,000 mg/kg

| The product has not been tested. The statement has been derived from products of a similar structure or composition.

| LC50 rat (by inhalation): 4 h

| not determined

| LD50 rat (dermal):

| not determined

### Irritation

Experimental/calculated data:

| Skin corrosion/irritation rabbit: Irritant. (BASF-Test)

| The product has not been tested. The statement has been derived from products of a similar structure or composition.

| Serious eye damage/irritation rabbit: Irritant. (BASF-Test)

| The product has not been tested. The statement has been derived from products of a similar structure or composition.

### Respiratory/Skin sensitization

Experimental/calculated data:

| Draize test guinea pig: Non-sensitizing.

| The product has not been tested. The statement has been derived from the properties of the individual components.

### Carcinogenicity

Assessment of carcinogenicity:

| Not expected to be carcinogenic (based on composition).

### Developmental toxicity

Assessment of teratogenicity:



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Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Acrylic Ink**

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| No data available concerning teratogenic effects.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

| Causes temporary irritation of the respiratory tract.

| Remarks: The product has not been tested. The statement has been derived from products of a similar structure or composition.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

| Repeated oral uptake of the substance did not cause substance-related effects.

| Repeated inhalative uptake of the substance did not cause substance-related effects.

| Repeated dermal uptake of the substance did not cause substance-related effects.

| The product has not been tested. The statement has been derived from the properties of the individual components.

Aspiration hazard

| No aspiration hazard expected.

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## 12. Ecological Information

### Toxicity

Toxicity to fish:

| LC50 (96 h) > 100 mg/l, *Leuciscus idus*

| The product has not been tested. The statement has been derived from products of a similar structure or composition.

Aquatic invertebrates:

| No data available concerning toxicity for daphnia.

Aquatic plants:

| No data available concerning toxicity for algae.

Microorganisms/Effect on activated sludge:

| The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Chronic toxicity to fish:

| No data available regarding toxicity to fish.

Chronic toxicity to aquatic invertebrates:

| No data available regarding toxicity to daphnids.

Assessment of terrestrial toxicity:

| No data available concerning terrestrial toxicity.

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Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Acrylic Ink**

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### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

| The polymer component of the product is poorly biodegradable.

### **Bioaccumulative potential**

Bioaccumulation potential:

| At the present state of knowledge, no negative ecological effects are expected.

### **Mobility in soil (and other compartments if available)**

Assessment transport between environmental compartments:

| The substance will not evaporate into the atmosphere from the water surface.

| The product has not been tested. The statement has been derived from the properties of the individual components.

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

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

### **Additional information**

Add. remarks environm. fate & pathway:

| Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

| According to experience, the material has no harmful effect on the environment.

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## **13. Disposal Considerations**

### **Waste treatment methods**

| Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## **14. Transport Information**

### **Land transport**

ADR

Not classified as a dangerous good under transport regulations

Safety data sheet according to Regulation (EC) No. 1907/2006  
 Date / Revised: 09.08.2013  
 Product: **Acrylic Ink**

RID

Not classified as a dangerous good under transport regulations

#### **Inland waterway transport**

ADN

Not classified as a dangerous good under transport regulations

#### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

#### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

## **15. Regulatory Information**

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

### **Chemical Safety Assessment**

| Chemical Safety Assessment not yet performed due to registration timelines

## **16. Other Information**

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

|                   |  |
|-------------------|--|
| Xn                | Harmful.   |
| C                 | Corrosive.                                       |
| N                 | Dangerous for the environment.                   |
| 41                | Risk of serious damage to eyes.                  |
| 22                | Harmful if swallowed.                            |
| 34                | Causes burns.                                    |
| 50                | Very toxic to aquatic organisms.                 |
| Skin Corr./Irrit. | Skin corrosion/irritation                        |
| Eye Dam./Irrit.   | Serious eye damage/eye irritation                |
| STOT SE           | Specific target organ toxicity — single exposure |
| Acute Tox.        | Acute toxicity                                   |
| Aquatic Acute     | Hazardous to the aquatic environment - acute     |
| H318              | Causes serious eye damage.                       |
| H302              | Harmful if swallowed.                            |
| H400              | Very toxic to aquatic life.                      |

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Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 09.08.2013

Product: **Acrylic Ink**

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**H314**

Causes severe skin burns and eye damage.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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