

**Trade name:** Boardmarker refill ink 119504, 119904 (green)**Current version :** 4.0.0, issued: 15.04.2025**Replaced version:** 3.6.0, issued: 11.03.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Boardmarker refill ink 119504, 119904 (green)****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Ink

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**

Legamaster International B.V.

Kwinkweerd 62

Postbus 111

7240 AC Lochem

The Netherlands

Telephone no. +31 (0) 573-713000

**Information provided by / telephone**

+31 (0) 573-713000

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For medical advice (in German and English):

+49 (0)30 30686 790 (Giftnotruf Berlin)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Irrit. 2; H319

Flam. Liq. 2; H225

STOT SE 3; H336

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02



GHS07

**Signal word**

Danger

**Hazardous component(s) to be indicated on label:**

1-methoxy-2-propanol

**Hazard statement(s)**

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

**Precautionary statement(s)**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P210

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

P271

Use only outdoors or in a well-ventilated area.

P370+P378

In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.

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P501Store locked up.  
Dispose of contents/container to a facility in accordance with local and national regulations.**2.3 Other hazards**

No data available.

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

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

| No | Substance name                                                 | Additional information                   |                        |
|----|----------------------------------------------------------------|------------------------------------------|------------------------|
|    | CAS / EC / Index / REACH no                                    | Classification (EC) 1272/2008 (CLP)      | Concentration          |
|    |                                                                |                                          | %                      |
| 1  | ethanol                                                        |                                          |                        |
|    | 64-17-5<br>200-578-6<br>603-002-00-5<br>01-2119457610-43       | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319 | >= 50.00 - < 70.00 wt% |
| 2  | 1-methoxy-2-propanol                                           |                                          |                        |
|    | 107-98-2<br>203-539-1<br>603-064-00-3<br>01-2119457435-35-0034 | Flam. Liq. 3; H226<br>STOT SE 3; H336    | >= 10.00 - < 25.00 wt% |

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|-------------------------------|------------------|--------------------|
| 1  | -    | Eye Irrit. 2; H319: C >= 50%  | -                | -                  |

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

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

No data available.

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

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam; Extinguishing powder; Carbon dioxide; Water spray jet

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)**5.3 Advice for firefighters**

Cool endangered containers with water spray jet. Use self-contained breathing apparatus. Wear protective clothing. Suppress gases/vapours/mists with water spray jet.

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Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Clean skin thoroughly after work; apply skin cream.

**Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

**Incompatible products**

None known

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

| No                                                              | Substance name                            | CAS no.  | EC no.                     |
|-----------------------------------------------------------------|-------------------------------------------|----------|----------------------------|
| 1                                                               | ethanol                                   | 64-17-5  | 200-578-6                  |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                                           |          |                            |
|                                                                 | Ethanol                                   |          |                            |
|                                                                 | WEL long-term (8-hr TWA reference period) | 1920     | mg/m <sup>3</sup> 1000 ppm |
| 2                                                               | 1-methoxy-2-propanol                      | 107-98-2 | 203-539-1                  |
| <b>2000/39/EC</b>                                               |                                           |          |                            |
|                                                                 | 1-Methoxypropanol-2                       |          |                            |
|                                                                 | WEL short-term (15 min reference period)  | 568      | mg/m <sup>3</sup> 150 ppm  |
|                                                                 | WEL long-term (8-hr TWA reference period) | 375      | mg/m <sup>3</sup> 100 ppm  |
|                                                                 | Skin resorption / sensibilisation         | Skin     |                            |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |                                           |          |                            |
|                                                                 | 1-Methoxypropan-2-ol                      |          |                            |
|                                                                 | WEL short-term (15 min reference period)  | 560      | mg/m <sup>3</sup> 150 ppm  |
|                                                                 | WEL long-term (8-hr TWA reference period) | 375      | mg/m <sup>3</sup> 100 ppm  |
|                                                                 | Comments                                  | Sk       |                            |

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| No | Substance name       |                     |          | CAS / EC no           |                   |
|----|----------------------|---------------------|----------|-----------------------|-------------------|
|    | Route of exposure    | Exposure time       | Effect   | Value                 |                   |
| 1  | ethanol              |                     |          | 64-17-5<br>200-578-6  |                   |
|    | dermal               | Long term (chronic) | systemic | 8238                  | mg/kg/day         |
|    | inhalative           | Long term (chronic) | systemic | 380                   | mg/m <sup>3</sup> |
| 2  | 1-methoxy-2-propanol |                     |          | 107-98-2<br>203-539-1 |                   |
|    | dermal               | Long term (chronic) | systemic | 183                   | mg/kg/day         |
|    | inhalative           | Long term (chronic) | systemic | 369                   | mg/m <sup>3</sup> |
|    | inhalative           | Short term (acute)  | local    | 553.5                 | mg/m <sup>3</sup> |
|    | inhalative           | Short term (acute)  | systemic | 553.5                 | mg/m <sup>3</sup> |

**DNEL value (consumer)**

| No | Substance name       |                     |          | CAS / EC no           |                   |
|----|----------------------|---------------------|----------|-----------------------|-------------------|
|    | Route of exposure    | Exposure time       | Effect   | Value                 |                   |
| 1  | ethanol              |                     |          | 64-17-5<br>200-578-6  |                   |
|    | inhalative           | Long term (chronic) | systemic | 114                   | mg/m <sup>3</sup> |
| 2  | 1-methoxy-2-propanol |                     |          | 107-98-2<br>203-539-1 |                   |
|    | oral                 | Long term (chronic) | systemic | 33                    | mg/kg/day         |
|    | dermal               | Long term (chronic) | systemic | 78                    | mg/kg/day         |
|    | inhalative           | Long term (chronic) | systemic | 43.9                  | mg/m <sup>3</sup> |

**PNEC values**

| No | Substance name                |                       | CAS / EC no           |                  |
|----|-------------------------------|-----------------------|-----------------------|------------------|
|    | ecological compartment        | Type                  | Value                 |                  |
| 1  | ethanol                       |                       | 64-17-5<br>200-578-6  |                  |
|    | water                         | fresh water           | 0.96                  | mg/L             |
|    | water                         | marine water          | 0.79                  | mg/L             |
|    | water                         | fresh water sediment  | 3.6                   | mg/kg dry weight |
|    | water                         | marine water sediment | 2.9                   | mg/L             |
|    | soil                          | -                     | 0.63                  | mg/kg dry weight |
|    | sewage treatment plant        | -                     | 580                   | mg/L             |
|    | secondary poisoning           | -                     | 0.38                  | g/kg             |
|    | with reference to: food       |                       |                       |                  |
| 2  | 1-methoxy-2-propanol          |                       | 107-98-2<br>203-539-1 |                  |
|    | water                         | fresh water           | 10                    | mg/L             |
|    | water                         | marine water          | 1                     | mg/L             |
|    | water                         | Aqua intermittent     | 100                   | mg/L             |
|    | water                         | fresh water sediment  | 52.3                  | mg/kg            |
|    | with reference to: dry weight |                       |                       |                  |
|    | water                         | marine water sediment | 5.2                   | mg/kg            |
|    | with reference to: dry weight |                       |                       |                  |
|    | soil                          | -                     | 4.59                  | mg/kg            |
|    | with reference to: dry weight |                       |                       |                  |
|    | sewage treatment plant        | -                     | 100                   | mg/L             |

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

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Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                                                                               |                              |       |
|-----------------------------------------------------------------------------------------------|------------------------------|-------|
| <b>State of aggregation</b>                                                                   |                              |       |
| liquid                                                                                        |                              |       |
| <b>Colour</b>                                                                                 |                              |       |
| green                                                                                         |                              |       |
| <b>Odour</b>                                                                                  |                              |       |
| alcohol-like                                                                                  |                              |       |
| <b>pH value</b>                                                                               |                              |       |
| No data available                                                                             |                              |       |
| <b>Boiling point / boiling range</b>                                                          |                              |       |
| Value                                                                                         | 78                           | °C    |
| Source                                                                                        | supplier                     |       |
| <b>Melting point/freezing point</b>                                                           |                              |       |
| No data available                                                                             |                              |       |
| <b>Decomposition temperature</b>                                                              |                              |       |
| No data available                                                                             |                              |       |
| <b>Flash point</b>                                                                            |                              |       |
| Value                                                                                         | 13                           | °C    |
| Source                                                                                        | supplier                     |       |
| <b>Ignition temperature</b>                                                                   |                              |       |
| Value                                                                                         | 287                          | °C    |
| Source                                                                                        | supplier                     |       |
| <b>Auto-ignition temperature</b>                                                              |                              |       |
| Source                                                                                        | supplier                     |       |
| Comments                                                                                      | Product is not selfigniting. |       |
| <b>Explosive properties</b>                                                                   |                              |       |
| The product is not explosive, but the formation of explosive vapour/air mixtures is possible. |                              |       |
| <b>Flammability</b>                                                                           |                              |       |
| Liquid and vapour are highly flammable.                                                       |                              |       |
| <b>Lower explosion limit</b>                                                                  |                              |       |
| Value                                                                                         | 1.5                          | % vol |
| Source                                                                                        | supplier                     |       |
| <b>Upper explosion limit</b>                                                                  |                              |       |
| Value                                                                                         | 15                           | % vol |
| Source                                                                                        | supplier                     |       |
| <b>Vapour pressure</b>                                                                        |                              |       |
| Value                                                                                         | 59                           | hPa   |
| <b>Relative vapour density</b>                                                                |                              |       |
| No data available                                                                             |                              |       |
| <b>Relative density</b>                                                                       |                              |       |
| No data available                                                                             |                              |       |
| <b>Density</b>                                                                                |                              |       |
| Value                                                                                         | 0.9                          | g/cm³ |
| Reference temperature                                                                         | 20                           | °C    |
| Source                                                                                        | supplier                     |       |
| <b>Solubility in water</b>                                                                    |                              |       |
| Source                                                                                        | supplier                     |       |

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|                                                          |                      |                    |           |
|----------------------------------------------------------|----------------------|--------------------|-----------|
| Comments                                                 |                      | partially miscible |           |
| <b>Solubility</b>                                        |                      |                    |           |
| No data available                                        |                      |                    |           |
| <b>Partition coefficient n-octanol/water (log value)</b> |                      |                    |           |
| No                                                       | Substance name       | CAS no.            | EC no.    |
| 1                                                        | ethanol              | 64-17-5            | 200-578-6 |
| log Pow                                                  |                      | -0.35              |           |
| Reference temperature                                    |                      | 24                 | °C        |
| with reference to                                        |                      | pH 7.4             |           |
| Method                                                   |                      | OECD 107           |           |
| Source                                                   |                      | ECHA               |           |
| 2                                                        | 1-methoxy-2-propanol | 107-98-2           | 203-539-1 |
| log Pow                                                  |                      | <                  | 1         |
| Reference temperature                                    |                      |                    | 20        |
| with reference to                                        |                      | pH: 6.8            | °C        |
| Method                                                   |                      | OECD 117           |           |
| Source                                                   |                      | ECHA               |           |
| <b>Kinematic viscosity</b>                               |                      |                    |           |
| Value                                                    |                      | 9                  | mPa*s     |
| Type                                                     |                      | dynamic            |           |
| Source                                                   |                      | supplier           |           |
| <b>Solvent content</b>                                   |                      |                    |           |
| Value                                                    |                      | 81.1               | %         |
| <b>Solids content</b>                                    |                      |                    |           |
| Value                                                    |                      | 7.8                | %         |
| <b>Particle characteristics</b>                          |                      |                    |           |
| No data available                                        |                      |                    |           |

**9.2 Other information**

|                          |
|--------------------------|
| <b>Other information</b> |
| No data available.       |

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No other relevant information available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

No other relevant information available.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| <b>Acute oral toxicity</b> |                      |                                                                   |                  |
|----------------------------|----------------------|-------------------------------------------------------------------|------------------|
| No                         | Substance name       | CAS no.                                                           | EC no.           |
| 1                          | ethanol              | 64-17-5                                                           | 200-578-6        |
| LD50                       |                      | 10470                                                             | mg/kg bodyweight |
| Species                    |                      | rat                                                               |                  |
| with reference to          |                      | 95% ethanol in water                                              |                  |
| Method                     |                      | OECD 401                                                          |                  |
| Source                     |                      | ECHA                                                              |                  |
| Evaluation/classification  |                      | Based on available data, the classification criteria are not met. |                  |
| 2                          | 1-methoxy-2-propanol | 107-98-2                                                          | 203-539-1        |
| LD50                       |                      | 4016                                                              | mg/kg bodyweight |
| Species                    |                      | rat                                                               |                  |

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|-----------------------------------|-------------------------------------------------------------------|----------|------------------|
| Method                            | EC 440/2008, B.1                                                  |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Acute dermal toxicity             |                                                                   |          |                  |
| No                                | Substance name                                                    | CAS no.  | EC no.           |
| 1                                 | 1-methoxy-2-propanol                                              | 107-98-2 | 203-539-1        |
| LD50                              | >                                                                 | 2000     | mg/kg bodyweight |
| Species                           | rat                                                               |          |                  |
| Method                            | 440/2008/EC B.3.                                                  |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Acute inhalational toxicity       |                                                                   |          |                  |
| No                                | Substance name                                                    | CAS no.  | EC no.           |
| 1                                 | ethanol                                                           | 64-17-5  | 200-578-6        |
| LC50                              |                                                                   | 124.7    | mg/l             |
| Duration of exposure              |                                                                   | 4        | h                |
| State of aggregation              | Vapour                                                            |          |                  |
| Species                           | rat                                                               |          |                  |
| Method                            | OECD 403                                                          |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation/classification         | Based on available data, the classification criteria are not met. |          |                  |
| Skin corrosion/irritation         |                                                                   |          |                  |
| No                                | Substance name                                                    | CAS no.  | EC no.           |
| 1                                 | ethanol                                                           | 64-17-5  | 200-578-6        |
| Species                           | rabbit                                                            |          |                  |
| Method                            | OECD 404                                                          |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation                        | non-irritant                                                      |          |                  |
| Evaluation/classification         | Based on available data, the classification criteria are not met. |          |                  |
| 2                                 | 1-methoxy-2-propanol                                              | 107-98-2 | 203-539-1        |
| Species                           | rabbit                                                            |          |                  |
| Method                            | EC 440/2008, B.4                                                  |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation                        | non-irritant                                                      |          |                  |
| Serious eye damage/irritation     |                                                                   |          |                  |
| No                                | Substance name                                                    | CAS no.  | EC no.           |
| 1                                 | ethanol                                                           | 64-17-5  | 200-578-6        |
| Species                           | rabbit                                                            |          |                  |
| Method                            | OECD 405                                                          |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation                        | irritant                                                          |          |                  |
| Evaluation/classification         | Based on available data, the classification criteria are met.     |          |                  |
| 2                                 | 1-methoxy-2-propanol                                              | 107-98-2 | 203-539-1        |
| Species                           | rabbit                                                            |          |                  |
| Method                            | 2004/73/EEC, B.5                                                  |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation                        | non-irritant                                                      |          |                  |
| Respiratory or skin sensitisation |                                                                   |          |                  |
| No                                | Substance name                                                    | CAS no.  | EC no.           |
| 1                                 | ethanol                                                           | 64-17-5  | 200-578-6        |
| Route of exposure                 | respiratory tract                                                 |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation                        | non-sensitizing                                                   |          |                  |
| Evaluation/classification         | Based on available data, the classification criteria are not met. |          |                  |
| Route of exposure                 | Skin                                                              |          |                  |
| Species                           | mouse                                                             |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation                        | non-sensitizing                                                   |          |                  |
| Evaluation/classification         | Based on available data, the classification criteria are not met. |          |                  |
| 2                                 | 1-methoxy-2-propanol                                              | 107-98-2 | 203-539-1        |
| Route of exposure                 | Skin                                                              |          |                  |
| Species                           | guinea pig                                                        |          |                  |
| Method                            | 440/2008/EC B.6                                                   |          |                  |
| Source                            | ECHA                                                              |          |                  |
| Evaluation                        | non-sensitizing                                                   |          |                  |
| Germ cell mutagenicity            |                                                                   |          |                  |
| No                                | Substance name                                                    | CAS no.  | EC no.           |
| 1                                 | ethanol                                                           | 64-17-5  | 200-578-6        |

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|---------------------------|-------------------------------------------------------------------|
| Type of examination       | in vitro gene mutation study in bacteria                          |
| Species                   | Salmonella typhimurium                                            |
| Method                    | OECD 471                                                          |
| Source                    | ECHA                                                              |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| Type of examination       | in vitro gene mutation study in mammalian cells                   |
| Species                   | mouse lymphoma cells                                              |
| Method                    | OECD 476                                                          |
| Source                    | ECHA                                                              |
| Evaluation/classification | Based on available data, the classification criteria are not met. |
| Type of examination       | Genotoxicity in vivo                                              |
| Species                   | mouse                                                             |
| Method                    | OECD 478                                                          |
| Source                    | ECHA                                                              |
| Evaluation/classification | Based on available data, the classification criteria are not met. |

| Reproduction toxicity     |                |                                                                   |           |
|---------------------------|----------------|-------------------------------------------------------------------|-----------|
| No                        | Substance name | CAS no.                                                           | EC no.    |
| 1                         | ethanol        | 64-17-5                                                           | 200-578-6 |
| Route of exposure         |                | oral                                                              |           |
| NOAEL                     |                |                                                                   |           |
| Type of examination       |                | 2 generation study                                                |           |
| Species                   |                | mouse                                                             |           |
| Method                    |                | OECD 416                                                          |           |
| Source                    |                | ECHA                                                              |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |
| Route of exposure         |                | inhalational                                                      |           |
| NOAEL                     |                | >= 20000                                                          | ppm       |
| Type of examination       |                | Prenatal Developmental Toxicity Study                             |           |
| Species                   |                | rat                                                               |           |
| Method                    |                | OECD 414                                                          |           |
| Source                    |                | ECHA                                                              |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |

| Carcinogenicity           |                |                                                                   |           |
|---------------------------|----------------|-------------------------------------------------------------------|-----------|
| No                        | Substance name | CAS no.                                                           | EC no.    |
| 1                         | ethanol        | 64-17-5                                                           | 200-578-6 |
| Source                    |                | ECHA                                                              |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |

| STOT - single exposure |  |
|------------------------|--|
| No data available      |  |

| STOT - repeated exposure  |                                                                   |         |           |
|---------------------------|-------------------------------------------------------------------|---------|-----------|
| No                        | Substance name                                                    | CAS no. | EC no.    |
| 1                         | ethanol                                                           | 64-17-5 | 200-578-6 |
| Route of exposure         |                                                                   | oral    |           |
| Duration of exposure      |                                                                   | 14      | week/s    |
| Species                   | rat                                                               |         |           |
| Target organ              | kidneys                                                           |         |           |
| Method                    | OECD 408                                                          |         |           |
| Source                    | ECHA                                                              |         |           |
| Evaluation/classification | Based on available data, the classification criteria are not met. |         |           |

| Aspiration hazard |  |
|-------------------|--|
| No data available |  |

| Endocrine disrupting properties                                                                                                                                                                                                                  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Product Name                                                                                                                                                                                                                                     |  |
| Boardmarker refill ink 119504, 119904 (green)                                                                                                                                                                                                    |  |
| Pursuant to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605, the product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above. |  |

**11.2 Information on other hazards**

**Other information**  
No data available.

**SECTION 12: Ecological information****12.1 Toxicity**

| Toxicity to fish (acute) |                |         |        |
|--------------------------|----------------|---------|--------|
| No                       | Substance name | CAS no. | EC no. |

**Trade name:** Boardmarker refill ink 119504, 119904 (green)**Current version :** 4.0.0, issued: 15.04.2025**Replaced version:** 3.6.0, issued: 11.03.2021**Region:** GB

| 1                         | ethanol                                                           | 64-17-5  | 200-578-6 |
|---------------------------|-------------------------------------------------------------------|----------|-----------|
| LC50                      |                                                                   | 14200    | mg/l      |
| Duration of exposure      |                                                                   | 96       | h         |
| Species                   | Pimephales promelas                                               |          |           |
| Method                    | EPA                                                               |          |           |
| Source                    | ECHA                                                              |          |           |
| 2                         | 1-methoxy-2-propanol                                              | 107-98-2 | 203-539-1 |
| LC50                      | > 4600                                                            | - 10000  | mg/l      |
| Duration of exposure      |                                                                   | 96       | h         |
| Species                   | Leuciscus idus                                                    |          |           |
| Method                    | DIN 38 412, part L15                                              |          |           |
| Source                    | ECHA                                                              |          |           |
| Evaluation/classification | Based on available data, the classification criteria are not met. |          |           |

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)**

| No                        | Substance name                                                    | CAS no.  | EC no.    |
|---------------------------|-------------------------------------------------------------------|----------|-----------|
| 1                         | ethanol                                                           | 64-17-5  | 200-578-6 |
| EC50                      |                                                                   | 5012     | mg/l      |
| Duration of exposure      |                                                                   | 48       | h         |
| Species                   | Ceriodaphnia dubia                                                |          |           |
| Method                    | ASTM Standard E 729-80                                            |          |           |
| Source                    | ECHA                                                              |          |           |
| 2                         | 1-methoxy-2-propanol                                              | 107-98-2 | 203-539-1 |
| EC50                      | 21100                                                             | - 25900  | mg/l      |
| Duration of exposure      |                                                                   | 48       | h         |
| Species                   | Daphnia magna                                                     |          |           |
| Method                    | ESR-ES-15                                                         |          |           |
| Source                    | ECHA                                                              |          |           |
| Evaluation/classification | Based on available data, the classification criteria are not met. |          |           |

**Toxicity to Daphnia (chronic)**

| No                   | Substance name | CAS no. | EC no.    |
|----------------------|----------------|---------|-----------|
| 1                    | ethanol        | 64-17-5 | 200-578-6 |
| NOEC                 |                | 9.6     | mg/l      |
| Duration of exposure |                | 9       | day(s)    |
| Species              | Daphnia magna  |         |           |
| Source               | ECHA           |         |           |

**Toxicity to algae (acute)**

| No                   | Substance name     | CAS no. | EC no.    |
|----------------------|--------------------|---------|-----------|
| 1                    | ethanol            | 64-17-5 | 200-578-6 |
| EC50                 |                    | 275     | mg/l      |
| Duration of exposure |                    | 72      | h         |
| Species              | Chlorella vulgaris |         |           |
| Method               | OECD 201           |         |           |
| Source               | ECHA               |         |           |

**Toxicity to algae (chronic)**

No data available

**Bacteria toxicity**

No data available

**12.2 Persistence and degradability**

| Biodegradability |                        |          |           |
|------------------|------------------------|----------|-----------|
| No               | Substance name         | CAS no.  | EC no.    |
| 1                | ethanol                | 64-17-5  | 200-578-6 |
| Type             | aerobic biodegradation |          |           |
| Value            | appr.                  | 84       | %         |
| Duration         |                        | 20       | day(s)    |
| Source           | ECHA                   |          |           |
| Evaluation       | readily biodegradable  |          |           |
| 2                | 1-methoxy-2-propanol   | 107-98-2 | 203-539-1 |
| Type             | aerobic biodegradation |          |           |
| Value            |                        | 96       | %         |
| Duration         |                        | 28       | day(s)    |
| Method           | OECD 301 E             |          |           |
| Source           | ECHA                   |          |           |
| Evaluation       | readily biodegradable  |          |           |

**Trade name:** Boardmarker refill ink 119504, 119904 (green)**Current version :** 4.0.0, issued: 15.04.2025**Replaced version:** 3.6.0, issued: 11.03.2021**Region:** GB**12.3 Bioaccumulative potential**

| Partition coefficient n-octanol/water (log value) |                      |          |           |
|---------------------------------------------------|----------------------|----------|-----------|
| No                                                | Substance name       | CAS no.  | EC no.    |
| 1                                                 | ethanol              | 64-17-5  | 200-578-6 |
| log Pow                                           |                      | -0.35    |           |
| Reference temperature                             |                      | 24       | °C        |
| with reference to                                 |                      | pH 7,4   |           |
| Method                                            |                      | OECD 107 |           |
| Source                                            |                      | ECHA     |           |
| 2                                                 | 1-methoxy-2-propanol | 107-98-2 | 203-539-1 |
| log Pow                                           |                      | <        | 1         |
| Reference temperature                             |                      |          | 20        |
| with reference to                                 |                      | pH: 6.8  | °C        |
| Method                                            |                      | OECD 117 |           |
| Source                                            |                      | ECHA     |           |

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Endocrine disrupting properties**

| Endocrine disrupting properties                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                                                                                                                                                                                                                                     |
| Boardmarker refill ink 119504, 119904 (green)                                                                                                                                                                                                    |
| Pursuant to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605, the product does not contain any endocrine disruptors in a concentration of 0.1% weight by weight and above. |

**12.7 Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 UN number or ID number**

|                |        |
|----------------|--------|
| ADR/RID/ADN    | UN1263 |
| IMDG           | UN1263 |
| ICAO-TI / IATA | UN1263 |

**14.2 UN proper shipping name**

|                |       |
|----------------|-------|
| ADR/RID/ADN    | PAINT |
| IMDG           | PAINT |
| ICAO-TI / IATA | Paint |

**14.3 Transport hazard class(es)**

|                           |      |
|---------------------------|------|
| ADR/RID/ADN - Class       | 3    |
| Label                     | 3    |
| Classification code       | F1   |
| Tunnel restriction code   | D/E  |
| Hazard identification no. | 33   |
| Special Provision 640     | 640D |
| IMDG - Class              | 3    |
| Label                     | 3    |
| ICAO-TI / IATA - Class    | 3    |
| Label                     | 3    |

**14.4 Packing group**

|             |    |
|-------------|----|
| ADR/RID/ADN | II |
| IMDG        | II |

**Trade name:** Boardmarker refill ink 119504, 119904 (green)**Current version :** 4.0.0, issued: 15.04.2025**Replaced version:** 3.6.0, issued: 11.03.2021**Region:** GB

ICAO-TI / IATA

II

**14.5 Environmental hazards**

EmS

F-E, S-E

**14.6 Special precautions for user**

No data available.

**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

|                                                                                        |          |
|----------------------------------------------------------------------------------------|----------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | No 3, 40 |
|----------------------------------------------------------------------------------------|----------|

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

|                                                              |     |
|--------------------------------------------------------------|-----|
| This product is subject to Part I of Annex I, risk category: | P5b |
|--------------------------------------------------------------|-----|

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H226

Flammable liquid and vapour.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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Prod-ID 624455