

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

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

• **1.1 Product identifier**

• **Trade name:**

BLOPENS WATER COLOR INK(24130/24131/24132/24305)

• **Other means of identification:**

UFI code: No available data.

Item no.:

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

• **Relevant identified uses:**

Consumer uses, children's painting.

• **Uses advised against:**

No available data.

• **Reason why uses advised against:**

No available data.

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

• **Manufacturer/Supplier:**

NINGBO FUN TIME INTERNATIONAL TRADE CO., LTD.

Room 2802, 28th Floor, ZhongNongXin International Trade Building, No.181 Zhongshan East Road, Ningbo, China. 315000.

Post code: 315000

Tel: +086-18760246998

Email: sales77@funtimeintl.com

National contact: Yulia

• **Only Representative/other EU contact point:**

No information available.

• **1.4 Emergency telephone number**

Tel: +086-18760246998

(Only available during the following office hours 9:00-20:00, for Chinese/English service)

**SECTION 2: Hazards identification**

• **2.1 Classification of the substance or mixture**

• **2.1.1 Classification according to regulation (EC) 1272/2008:**

The product is not classified according to CLP Regulation.

| Regulation (EC) No 1272/2008 [CLP] | Classification procedure |
|------------------------------------|--------------------------|
| Not applicable                     | Not applicable           |

• **2.2 Label elements**

• **Labeling according to Regulation (EC) No 1272/2008:**

The product is not labelled according to CLP Regulation.

• **Hazard pictograms:**

Not applicable

• **Signal word:**

Not applicable



**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

• **Hazard-determining components of labelling:**

Not applicable

• **Hazard statements:**

Not applicable

• **Precautionary statement:**

Not applicable

• **Supplemental label elements:**

Not applicable

• **2.3 Other hazards**

None of the ingredients ( $\geq 0.1\%$ ) meets the criteria for PBT/vPvB in accordance with Annex XIII.

None of the ingredients ( $\geq 0.1\%$ ) are identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

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

• **3.2 Mixtures**

• **Description of the mixture:**

BLOPENS WATER COLOR INK.

| <b>Ingredients:</b> |                |                  |               |                   |                           |                              |
|---------------------|----------------|------------------|---------------|-------------------|---------------------------|------------------------------|
| <b>Substance</b>    | <b>CAS No.</b> | <b>Index No.</b> | <b>EC No.</b> | <b>w/w,<br/>%</b> | <b>CLP Classification</b> | <b>SCL/M-<br/>factor/ATE</b> |
| <b>Dark Blue</b>    |                |                  |               |                   |                           |                              |
| Water               | 7732-18-5      | -                | 231-791-2     | 89.5              | None                      | -                            |
| Glycerin            | 56-81-5        | -                | 200-289-5     | 10                | None                      | -                            |
| Propane-1,2-diol    | 57-55-6        | -                | 200-338-0     | 0.2               | None                      | -                            |
| Sodium benzoate     | 532-32-1       | -                | 208-534-8     | 0.1               | Eye Irrit. 2, H319        | -                            |
| Pigment Blue 15     | 147-14-8       | -                | 205-685-1     | 0.1               | None                      | -                            |
| Pigment Red 2       | 6041-94-7      | -                | 227-930-1     | 0.06              | None                      | -                            |
| Pigment Yellow 74   | 6358-31-2      | -                | 228-768-4     | 0.04              | None                      | -                            |
| <b>Rose Red</b>     |                |                  |               |                   |                           |                              |
| Water               | 7732-18-5      | -                | 231-791-2     | 89.5              | None                      | -                            |
| Glycerin            | 56-81-5        | -                | 200-289-5     | 10                | None                      | -                            |
| Propane-1,2-diol    | 57-55-6        | -                | 200-338-0     | 0.2               | None                      | -                            |
| Pigment Red 2       | 6041-94-7      | -                | 227-930-1     | 0.16              | None                      | -                            |
| Sodium benzoate     | 532-32-1       | -                | 208-534-8     | 0.1               | Eye Irrit. 2, H319        | -                            |
| Pigment Red 122     | 16043-40-6     | -                | -             | 0.04              | None                      | -                            |
| <b>Pink</b>         |                |                  |               |                   |                           |                              |

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

|                                 |            |   |           |      |                    |   |
|---------------------------------|------------|---|-----------|------|--------------------|---|
| Water                           | 7732-18-5  | - | 231-791-2 | 89.5 | None               | - |
| Glycerin                        | 56-81-5    | - | 200-289-5 | 10   | None               | - |
| Propane-1,2-diol                | 57-55-6    | - | 200-338-0 | 0.2  | None               | - |
| 6-Diethylamino-1,2-benzofluoran | 26628-47-7 | - | 247-853-7 | 0.2  | None               | - |
| Sodium benzoate                 | 532-32-1   | - | 208-534-8 | 0.1  | Eye Irrit. 2, H319 | - |
| <b>Light Green</b>              |            |   |           |      |                    |   |
| Water                           | 7732-18-5  | - | 231-791-2 | 89.5 | None               | - |
| Glycerin                        | 56-81-5    | - | 200-289-5 | 10   | None               | - |
| Propane-1,2-diol                | 57-55-6    | - | 200-338-0 | 0.2  | None               | - |
| Pigment Yellow 74               | 6358-31-2  | - | 228-768-4 | 0.12 | None               | - |
| Sodium benzoate                 | 532-32-1   | - | 208-534-8 | 0.1  | Eye Irrit. 2, H319 | - |
| Pigment Blue 15                 | 147-14-8   | - | 205-685-1 | 0.08 | None               | - |
| <b>Purple</b>                   |            |   |           |      |                    |   |
| Water                           | 7732-18-5  | - | 231-791-2 | 89.5 | None               | - |
| Glycerin                        | 56-81-5    | - | 200-289-5 | 10   | None               | - |
| Propane-1,2-diol                | 57-55-6    | - | 200-338-0 | 0.2  | None               | - |
| Pigment Red 122                 | 16043-40-6 | - | -         | 0.15 | None               | - |
| Sodium benzoate                 | 532-32-1   | - | 208-534-8 | 0.1  | Eye Irrit. 2, H319 | - |
| Pigment Blue 15                 | 147-14-8   | - | 205-685-1 | 0.05 | None               | - |
| <b>Light Blue</b>               |            |   |           |      |                    |   |
| Water                           | 7732-18-5  | - | 231-791-2 | 89.5 | None               | - |
| Glycerin                        | 56-81-5    | - | 200-289-5 | 10   | None               | - |
| Propane-1,2-diol                | 57-55-6    | - | 200-338-0 | 0.2  | None               | - |
| Pigment Blue 15                 | 147-14-8   | - | 205-685-1 | 0.2  | None               | - |
| Sodium benzoate                 | 532-32-1   | - | 208-534-8 | 0.1  | Eye Irrit. 2, H319 | - |
| <b>Dark Orange</b>              |            |   |           |      |                    |   |
| Water                           | 7732-18-5  | - | 231-791-2 | 89.5 | None               | - |
| Glycerin                        | 56-81-5    | - | 200-289-5 | 10   | None               | - |
| Propane-1,2-diol                | 57-55-6    | - | 200-338-0 | 0.2  | None               | - |
| Pigment Red 2                   | 6041-94-7  | - | 227-930-1 | 0.12 | None               | - |
| Sodium benzoate                 | 532-32-1   | - | 208-534-8 | 0.1  | Eye Irrit. 2, H319 | - |
| Pigment Yellow 74               | 6358-31-2  | - | 228-768-4 | 0.08 | None               | - |
| <b>Yellow</b>                   |            |   |           |      |                    |   |
| Water                           | 7732-18-5  | - | 231-791-2 | 89.2 | None               | - |
| Glycerin                        | 56-81-5    | - | 200-289-5 | 10   | None               | - |
| Pigment Yellow                  | 6358-31-2  | - | 228-768-4 | 0.5  | None               | - |

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

|                  |           |   |           |       |                    |   |
|------------------|-----------|---|-----------|-------|--------------------|---|
| 74               |           |   |           |       |                    |   |
| Propane-1,2-diol | 57-55-6   | - | 200-338-0 | 0.2   | None               | - |
| Sodium benzoate  | 532-32-1  | - | 208-534-8 | 0.1   | Eye Irrit. 2, H319 | - |
| <b>Black</b>     |           |   |           |       |                    |   |
| Water            | 7732-18-5 | - | 231-791-2 | 84.8  | None               | - |
| Glycerin         | 56-81-5   | - | 200-289-5 | 10    | None               | - |
| Pigment Red 2    | 6041-94-7 | - | 227-930-1 | 2.9   | None               | - |
| Pigment Blue 15  | 147-14-8  | - | 205-685-1 | 1.6   | None               | - |
| Pigment Yellow   | 6358-31-2 | - | 228-768-4 | 0.4   | None               | - |
| 74               |           |   |           |       |                    |   |
| Propane-1,2-diol | 57-55-6   | - | 200-338-0 | 0.2   | None               | - |
| Sodium benzoate  | 532-32-1  | - | 208-534-8 | 0.1   | Eye Irrit. 2, H319 | - |
| <b>Grey</b>      |           |   |           |       |                    |   |
| Water            | 7732-18-5 | - | 231-791-2 | 89.45 | None               | - |
| Glycerin         | 56-81-5   | - | 200-289-5 | 10    | None               | - |
| Propane-1,2-diol | 57-55-6   | - | 200-338-0 | 0.2   | None               | - |
| Pigment Red 2    | 6041-94-7 | - | 227-930-1 | 0.12  | None               | - |
| Sodium benzoate  | 532-32-1  | - | 208-534-8 | 0.1   | Eye Irrit. 2, H319 | - |
| Pigment Blue 15  | 147-14-8  | - | 205-685-1 | 0.08  | None               | - |
| Pigment Yellow   | 6358-31-2 | - | 228-768-4 | 0.05  | None               | - |
| 74               |           |   |           |       |                    |   |
| <b>Orange</b>    |           |   |           |       |                    |   |
| Water            | 7732-18-5 | - | 231-791-2 | 89.22 | None               | - |
| Glycerin         | 56-81-5   | - | 200-289-5 | 10    | None               | - |
| Pigment Red 2    | 6041-94-7 | - | 227-930-1 | 0.36  | None               | - |
| Propane-1,2-diol | 57-55-6   | - | 200-338-0 | 0.2   | None               | - |
| Pigment Yellow   | 5567-15-7 | - | 226-939-8 | 0.12  | None               | - |
| 83               |           |   |           |       |                    |   |
| Sodium benzoate  | 532-32-1  | - | 208-534-8 | 0.1   | Eye Irrit. 2, H319 | - |

**Additional information:**

Full text of H- and EUH-statements, see SECTION 16.

**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

· **General notes:**

Get medical attention if you feel unwell.

· **Following inhalation:**

Supply with fresh air.

Get medical attention if you feel unwell.

· **Following skin contact:**

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

Wash with water.

If there are signs of irritation or other symptoms, seek medical attention.

· **Following eye contact:**

Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

· **Following ingestion:**

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

· **Self-protection of the first aider:**

Wear disposable, latex free gloves.

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

Acute and delayed effects are as indicated in sections 2 and 11.

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

Treat according to symptom, there is not known specific medicine.

## SECTION 5: Fire-fighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Use CO<sub>2</sub>, chemical powder, water spray or alcohol resistant foam to extinguish.

· **Unsuitable extinguishing media:**

No known unsuitable extinguishing media.

· **5.2 Special hazards arising from the substance or mixture**

· **Hazardous combustion products:**

No special hazards arising from the mixture.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained breathing apparatus for firefighting.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

· **6.1.1 For non-emergency personnel**

· **Protective equipment:**

Respiration protection.

· **Emergency procedures:**

Avoid breathing vapor/mist.

· **6.1.2 For emergency responders**

· **Personal protective equipment:**

Polybutylene fabric for personal protective clothing.

· **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

If the spillage contaminates rivers, lakes or drains inform respective authorities.

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

• **6.3.1 For containment:**

Bunding, covering of drains.

• **6.3.2 For cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

• **6.3.3 Other information:**

Dispose contaminated material as waste according to section 13.

• **6.4 Reference to other sections:**

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

**SECTION 7: Handling and storage**

• **7.1 Precautions for safe handling:**

• **Protective measures:**

No special precautions for safe handling are normally required.

• **Measures to prevent fire:**

Normal measures for preventive fire protection.

• **Measures to prevent aerosol and dust generation:**

Ensure well ventilation at workplace.

• **Measures to protect the environment:**

Avoiding spills or keeping away from drains.

• **Advice on general occupational hygiene:**

Wear respiration protection.

• **7.2 Conditions for safe storage, including any non-compatibility**

• **Technical measures and storage conditions:**

Store in a cool and well-ventilated place.

• **Packaging materials:**

No specific material.

• **Requirements for storage rooms and vessels:**

No further requirements.

• **Storage class:**

12.

• **Further information on storage conditions:**

No further requirements.

• **7.3 Specific end use(s)**

• **Recommendations:**

See section 1.2.

• **Industrial sector specific solutions:**

No further information.

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

**SECTION 8: Exposure controls/personal protection**

• **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

| Country                  | Limit value - Eight hours                     | Limit value - Short term                                                |
|--------------------------|-----------------------------------------------|-------------------------------------------------------------------------|
| 56-81-5 Glycerin         |                                               |                                                                         |
| Belgium                  | 10 mg/m <sup>3</sup>                          | -                                                                       |
| Finland                  | 20 mg/m <sup>3</sup>                          | -                                                                       |
| France                   | 10 mg/m <sup>3</sup>                          | -                                                                       |
| Germany (DFG)            | 200 mg/m <sup>3</sup> Inhalable fraction      | 400 mg/m <sup>3</sup> Inhalable fraction; 15 minutes average value      |
| Ireland                  | 10 mg/m <sup>3</sup>                          | -                                                                       |
| Poland                   | 10 mg/m <sup>3</sup>                          | -                                                                       |
| Spain                    | 10 mg/m <sup>3</sup>                          | -                                                                       |
| United Kingdom           | 10 mg/m <sup>3</sup>                          | -                                                                       |
| 57-55-6 Propane-1,2-diol |                                               |                                                                         |
| Ireland                  | 150 ppm; 470 mg/m <sup>3</sup>                | -                                                                       |
| United Kingdom           | 150 ppm; 474 mg/m <sup>3</sup>                | -                                                                       |
| 532-32-1 Sodium benzoate |                                               |                                                                         |
| Germany (AGS)            | 10 mg/m <sup>3</sup> Inhalable fraction; Skin | 10 mg/m <sup>3</sup> Inhalable fraction; Skin; 15 minutes average value |

• **DNELs:**

| DNEL type                |                                | DNEL worker value     | DNEL consumer value   |
|--------------------------|--------------------------------|-----------------------|-----------------------|
| 57-55-6 Propane-1,2-diol |                                |                       |                       |
| Systemic effects         | Long-term, inhalation exposure | 168 mg/m <sup>3</sup> | 50 mg/m <sup>3</sup>  |
| Local Effects            | Long-term, inhalation          | 10 mg/m <sup>3</sup>  | 10 mg/m <sup>3</sup>  |
| 532-32-1 Sodium benzoate |                                |                       |                       |
| Local effects            | Long-term, inhalation exposure | 3 µg/m <sup>3</sup>   | 1.5 µg/m <sup>3</sup> |
|                          | Long-term, dermal exposure     | 62.5 mg/kg bw/day     | 31.25 mg/kg bw/day    |
|                          | Long-term, oral exposure       | -                     | 16.6 mg/kg bw/day     |
| Systemic effects         | Long-term, inhalation exposure | 100 µg/m <sup>3</sup> | 60 µg/m <sup>3</sup>  |

• **PNECs:**

| PNEC type                          | Value                  |
|------------------------------------|------------------------|
| 57-55-6 Propane-1,2-diol           |                        |
| Freshwater                         | 260 mg/L               |
| Intermittent releases (freshwater) | 183 mg/L               |
| Marine water                       | 26 mg/L                |
| Sewage treatment plant (STP)       | 20 g/L                 |
| Sediment (freshwater)              | 572 mg/kg sediment dw  |
| Sediment (marine water)            | 57.2 mg/kg sediment dw |
| Soil                               | 50 mg/kg soil dw       |
| 532-32-1 Sodium benzoate           |                        |
| Freshwater                         | 581 µg/L               |

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**

Issue Date: 2025-08-25

EFW525082555-CG-01

|                                      |                       |
|--------------------------------------|-----------------------|
| Intermittent releases (freshwater)   | 58.1 µg/L             |
| Marine water                         | 58.7 µg/L             |
| Intermittent releases (marine water) | 5.81 ng/L             |
| Sewage treatment plant (STP)         | 10 mg/L               |
| Sediment (freshwater)                | 2.5 mg/kg sediment dw |
| Sediment (marine water)              | 250 µg/kg sediment dw |
| Soil                                 | 158.7 µg/kg soil dw   |
| Secondary poisoning                  | 300 mg/kg food        |

• **Additional information:**

The lists valid during the marking were used as basis.

• **8.2 Exposure controls**

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **8.2.1 Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

See section 7 for information about design of technical facilities.

• **8.2.2 Personal protection equipment**

• **Eye/face protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



**Safety glasses**

Protective goggles with side-shields.

• **Skin protection**

• **Hand protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



**Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

• **Other skin protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



**Face protection**



**Safety boots**



**Safety overalls**

Face shield, gauntlets, boots, bodysuit are recommended.

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**

Issue Date: 2025-08-25

EFW525082555-CG-01

• **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



**Respiratory equipment**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

• **8.2.3 Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

**SECTION 9: Physical and chemical properties**

• **9.1 Information on basic physical and chemical properties**

|                                                                   |                                                                                                           |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| • <b>Physical state</b>                                           | Liquid                                                                                                    |
| • <b>Color</b>                                                    | Yellow, Orange, Light Purple, Pink, Light Blue, Black, Dark Orange, Grey, Fuchsia, Dark Blue, Light Green |
| • <b>Odor &amp; Odor threshold</b>                                | Odorless                                                                                                  |
| • <b>Melting point/freezing point (or softening point/range)</b>  | Not determined                                                                                            |
| • <b>Boiling point or initial boiling point and boiling range</b> | 100°C (water)                                                                                             |
| • <b>Flammability</b>                                             | Not flammable liquid                                                                                      |
| • <b>Lower and upper explosion limit</b>                          | Not determined                                                                                            |
| • <b>Flash point</b>                                              | >191°C (closed cup)                                                                                       |
| • <b>Auto-ignition temperature</b>                                | Not determined                                                                                            |
| • <b>Decomposition temperature</b>                                | Not determined                                                                                            |
| • <b>pH</b>                                                       | Not determined                                                                                            |
| • <b>Kinematic viscosity (mm<sup>2</sup>/s)</b>                   | Not determined                                                                                            |
| • <b>Solubility</b>                                               | Not determined                                                                                            |
| • <b>Partition coefficient n-octanol/water (log value)</b>        | Not applicable                                                                                            |
| • <b>Vapor pressure</b>                                           | Not determined                                                                                            |
| • <b>Density and/or relative density</b>                          | Not determined                                                                                            |
| • <b>Relative vapor density</b>                                   | Not determined                                                                                            |
| • <b>Particle characteristics</b>                                 | Not determined                                                                                            |

• **9.2 Other information**

• **9.2.1 Information with regard to physical hazard classes:**

|                          |                |
|--------------------------|----------------|
| • <b>Explosives</b>      | Not applicable |
| • <b>Flammable gases</b> | Not applicable |

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

|                                                                                    |                |
|------------------------------------------------------------------------------------|----------------|
| · <b>Aerosols</b>                                                                  | Not applicable |
| · <b>Oxidising gases</b>                                                           | Not applicable |
| · <b>Gases under pressure</b>                                                      | Not applicable |
| · <b>Flammable liquids</b>                                                         | Not applicable |
| · <b>Flammable solids</b>                                                          | Not applicable |
| · <b>Self-reactive substances and mixtures</b>                                     | Not applicable |
| · <b>Pyrophoric liquids</b>                                                        | Not applicable |
| · <b>Pyrophoric solids</b>                                                         | Not applicable |
| · <b>Self-heating substances and mixtures</b>                                      | Not applicable |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Not applicable |
| · <b>Oxidizing liquids</b>                                                         | Not applicable |
| · <b>Oxidizing solids</b>                                                          | Not applicable |
| · <b>Organic peroxides</b>                                                         | Not applicable |
| · <b>Corrosive to metals</b>                                                       | Not applicable |
| · <b>Desensitised explosives</b>                                                   | Not applicable |
| <b>· 9.2.2 Other safety characteristics</b>                                        |                |
| · <b>Mechanical sensitivity</b>                                                    | Not applicable |
| · <b>Self-accelerating polymerisation temperature</b>                              | Not applicable |
| · <b>Formation of explosible dust/air mixtures</b>                                 | Not applicable |
| · <b>Acid/alkaline reserve</b>                                                     | Not applicable |
| · <b>Evaporation rate</b>                                                          | Not determined |
| · <b>Miscibility</b>                                                               | Not determined |
| · <b>Conductivity</b>                                                              | Not applicable |
| · <b>Corrosiveness</b>                                                             | Not applicable |
| · <b>Gas group</b>                                                                 | Not applicable |
| · <b>Redox potential</b>                                                           | Not applicable |
| · <b>Radical formation potential</b>                                               | Not applicable |
| · <b>Photocatalytic properties</b>                                                 | Not applicable |
| · <b>Other physical and chemical parameters</b>                                    | Not determined |

## SECTION 10: Stability and reactivity

### · 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

### · 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

### · 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

### · 10.4 Conditions to avoid:

High temperature.

### · 10.5 Incompatible materials:

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

Strong oxidizing agent and acids.

· **10.6 Hazardous decomposition products:**

Does not decompose when used for intended uses.

**SECTION 11: Toxicological information**

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

· **Acute toxicity:**

Based on available data, the classification criteria are not met.

| Species                  | Effective Dose | Results      | Method/Source                                                                                                                                               |
|--------------------------|----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 56-81-5 Glycerin         |                |              |                                                                                                                                                             |
| Rat                      | LD50-oral      | 12600 mg/kg  | Federation Proceedings, Federation of American Societies for Experimental Biology. Vol. 4, Pg. 142, 1945.                                                   |
| Rabbit                   | LD50-dermal    | >10000 mg/kg | Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009. |
| Rabbit                   | LD50-oral      | 27 g/kg      | Delaware State Medical Journal., 31(276), 1959.                                                                                                             |
| Mouse                    | LD50-oral      | 4090 mg/kg   | Farmatsevtichnii Zhurnal, (6)(56), 1977 .                                                                                                                   |
| Guinea pig               | LD50-oral      | 7750 mg/kg   | Journal of Industrial Hygiene and Toxicology., 23(259), 1941.                                                                                               |
| Guinea pig               | LD50-dermal    | 45 mL/kg     | ECHA registered dossier.                                                                                                                                    |
| 532-32-1 Sodium benzoate |                |              |                                                                                                                                                             |
| Rat                      | LD50-oral      | 4070 mg/kg   | Journal of Industrial Hygiene and Toxicology., 30(63), 1948.                                                                                                |
| Mouse                    | LD50-oral      | 1600 mg/kg   | Gigiena i Sanitariya. For English translation, see HYSAAV., 51(1)(75), 1986.                                                                                |
| Dog                      | LD50-oral      | 2 g/kg       | FAO Nutrition Meetings Report Series., 53A(34), 1974.                                                                                                       |
| Rabbit                   | LD50-oral      | 2 g/kg       | FAO Nutrition Meetings Report Series., 53A(34), 1974.                                                                                                       |
| Rabbit                   | LD50-dermal    | >2000 mg/kg  | ECHA registered dossier.                                                                                                                                    |

· **Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

· **Serious eyes damage/ irritation:**

Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitization:**

Based on available data, the classification criteria are not met.

· **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.

· **STOT-single exposure:**

Based on available data, the classification criteria are not met.

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

• **STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

• **Aspiration hazard:**

Based on available data, the classification criteria are not met.

• **11.2 Information on other hazards**

• **11.2.1 Endocrine disrupting properties:**

None of the ingredients ( $\geq 0.1\%$ ) are considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

• **11.2.2 Other information:**

No known other relevant information on adverse health effects.

**SECTION 12: Ecological information**

• **12.1 Toxicity:**

| Species                  | Effect dose | Test duration | Value       |
|--------------------------|-------------|---------------|-------------|
| 56-81-5 Glycerin         |             |               |             |
| Salmo gairdneri          | LC50        | 96h           | 54000 mg/L  |
| Daphnia magna            | LC50        | 48h           | 1955 mg/L   |
| Ceriodaphnia dubia       | NOEC        | 7d            | 800 mg/L    |
| Pseudomonas putida       | NOEC        | 16h           | >10000 mg/L |
| 532-32-1 Sodium benzoate |             |               |             |
| Pimephales promelas      | LC50        | 96h           | 484 mg/L    |
| Daphnia magna            | NOEC        | 21d           | 5.81 mg/L   |
| Freshwater algae         | EC50        | 72h           | 30.5 mg/L   |
| Freshwater algae         | NOEC        | 72h           | 6.5 mg/L    |

• **12.2 Persistence and degradability:**

| CAS      | Substance       | Biodegradation | Hydrolysis |
|----------|-----------------|----------------|------------|
| 56-81-5  | Glycerin        | 100%(24h)      | -          |
| 532-32-1 | Sodium benzoate | 75%(30d)       | -          |

• **12.3 Bio-accumulative potential:**

| CAS      | Substance       | Log Pow | BCF |
|----------|-----------------|---------|-----|
| 56-81-5  | Glycerin        | -1.75   | -   |
| 532-32-1 | Sodium benzoate | 1.88    | -   |

• **12.4 Mobility in soil:**

| CAS      | Substance       | Surface tension (mN/m) | Log Koc |
|----------|-----------------|------------------------|---------|
| 56-81-5  | Glycerin        | 63.4 (1000 g/L, 20 °C) | -       |
| 532-32-1 | Sodium benzoate | 72.9 (1000 mg/l, 20°C) | 0.85    |

• **12.5 Results of PBT and vPvB assessment:**

This mixture does not contain any substances ( $\geq 0.1\%$ ) that are assessed to be a PBT or a vPvB.

• **12.6 Endocrine disrupting properties:**

None of the ingredients ( $\geq 0.1\%$ ) are considered to have endocrine-disrupting properties with respect to non-target

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• **12.7 Other adverse effects:**

No known other adverse effects.

• **12.8 Additional ecological information**

• **General notes:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

**SECTION 13: Disposal consideration**

• **13.1 Waste treatment methods**

• **Recommendation:**

Small quantities can be disposed together with household garbage.

Large quantities disposed must be in according to the local/regional/national/ international regulation.

• **13.2 Un-cleaned packaging**

• **Recommendation:**

Dispose of contents/container in according to the local/regional/national/ international regulation.

**SECTION 14: Transport information**

• **14.1 UN number or ID number**

|                                     |                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------|
| • <b>ADR/ADN/RID (2025 Edition)</b> | Not applicable/Not regulated, this product is not subject to ADR/ADN/RID.   |
| • <b>IMO/IMDG (42-24)</b>           | Not applicable/Not regulated, this product is not subject to IMO/IMDG code. |
| • <b>IATA-DGR (66th)</b>            | Not applicable/Not regulated, this product is not subject to IATA-DGR.      |

• **14.2 UN proper shipping name**

|                                    |                              |
|------------------------------------|------------------------------|
| • <b>ADR/ADN/RID (2025Edition)</b> | Not applicable/Not regulated |
| • <b>IMO/IMDG (42-24)</b>          | Not applicable/Not regulated |
| • <b>IATA-DGR (66th)</b>           | Not applicable/Not regulated |

• **14.3 Transport hazard class (es)**

|                                    |                              |
|------------------------------------|------------------------------|
| • <b>ADR/ADN/RID (2025Edition)</b> | Not applicable/Not regulated |
| • <b>IMO/IMDG (42-24)</b>          | Not applicable/Not regulated |
| • <b>IATA-DGR (66th)</b>           | Not applicable/Not regulated |

• **14.4 Packing group**

|                                    |                              |
|------------------------------------|------------------------------|
| • <b>ADR/ADN/RID (2025Edition)</b> | Not applicable/Not regulated |
| • <b>IMO/IMDG (42-24)</b>          | Not applicable/Not regulated |
| • <b>IATA-DGR (66th)</b>           | Not applicable/Not regulated |

• **14.5 Environmental hazards**

|                                                  |                              |
|--------------------------------------------------|------------------------------|
| • <b>Environmentally hazardous (ADR/ADN/RID)</b> | No                           |
| • <b>Marine Pollutants (Yes/No)</b>              | No                           |
| • <b>Special mark (ADR/ADN/RID)</b>              | No                           |
| • <b>14.6 Special precautions for user</b>       | Not applicable/Not regulated |
| • <b>Danger code (Kemler)</b>                    | Not applicable/Not regulated |

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

|                                                                       |                              |
|-----------------------------------------------------------------------|------------------------------|
| · <b>EMS number</b>                                                   | Not applicable/Not regulated |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable/Not regulated |

#### SECTION 15: Regulatory information

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

· **MAK (German Maximum Workplace Concentration):**

None of the ingredients are listed.

· **Directive 2012/18/EU**

· **Named dangerous substances-ANNEX I:**

None of the ingredients are listed.

· **Seveso category:**

Not applicable

· **Qualifying quantity (tonnes) for the application of lower-tier requirements:**

Not applicable

· **Qualifying quantity (tonnes) for the application of upper-tier requirements:**

Not applicable

· **National regulations.**

· **Water hazard class:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

None of the ingredients are listed.

· **REACH Regulation Annex XVII Restriction:**

None of the ingredients are listed.

· **REACH Regulation Annex XIV Authorization List:**

None of the ingredients are listed.

· **15.2 Chemical safety assessment:**

A Chemical Safe Assessment has not been carried out.

#### SECTION 16: Other information

· **16.1 Indication of changes:**

None.

· **16.2 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.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Eye Irrit. 2: Eye damage/irritation, hazard category 2

• **16.3 Key literature references and sources for data:**

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

<https://epa.govt.nz/>

<http://www.ilo.org/>

<https://www.phmsa.dot.gov/>

• **16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:**

See section 2.1 (classification).

• **16.5 Relevant H- and EUH-phrases (number and full text):**

H319 Causes serious eye irritation

• **16.6 Training advice:**

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

• **16.7 Further information:**

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

**DISCLAIMER OF LIABILITY:**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

\*\*\*\*\*

End of safety data sheet

**Safety Data Sheet**  
**According to Regulation (EC) No 1907/2006, Annex II,**  
**Amended by COMMISSION REGULATION (EU) 2020/878,**  
**According to REGULATION (EC) No 1272/2008**



Issue Date: 2025-08-25

EFW525082555-CG-01