

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.02.2023

Version number 6 (replaces version 5)

Revision: 01.02.2023

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

· **1.1 Product identifier**

· **Trade name:** FEYCOZINK 291 1K ESI Zinkstaub

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

No further relevant information available.

· **Application of the substance / the mixture** Paint

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

· **Manufacturer/Supplier:**

FEYCOLOR GmbH  
 Maxhüttenstraße 6  
 93055 Regensburg  
 Germany

Tel.: +49 (0) 941-60497-0

Fax: +49 (0) 941-60497-30

info@feycolor.com www.feycolor.com

Office hours:

Monday - Thursday: 08:00 - 12:00 und 13:00 - 16:00

Friday: 08:00 - 12:00

Email: sd@feycolor.com

www.feycolor.com

· **1.4 Emergency telephone number:** +49 (0) 700 24 11 21 12 (FCM)

### SECTION 2: Hazards identification

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

· **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 3

H226 Flammable liquid and vapour.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS02

GHS09

· **Signal word** Warning

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**Hazard statements**

- H226 Flammable liquid and vapour.
- H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P242 Use non-sparking tools.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P403+P235 Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

|  |   |         |
|--|---|---------|
| CAS: 7440-66-6<br>EINECS: 231-175-3<br>Reg.nr.: 01-2119467174-37     | zinc powder - zinc dust (stabilized)<br>⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410  | 50-100% |
| CAS: 64742-95-6<br>EC number: 918-668-5<br>Reg.nr.: 01-2119455851-35 | Hydrocarbons, C9, aromatics<br>⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336, EUH066                                   | 5-<10%  |
| EC number: 927-241-2<br>Reg.nr.: 01-2119471843-32                    | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics<br>⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336; Aquatic Chronic 3, H412, EUH066 | <2.5%   |
| EC number: 919-857-5<br>Reg.nr.: 01-2119463258-33                    | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics<br>⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336, EUH066                          | <2.5%   |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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**  
No special measures required.  
No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** 3
- **7.3 Specific end use(s)** No further relevant information available.

GB

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

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device only when aerosol or mist is formed.
- **Hand protection**  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves (EN 374)

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

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Breakthrough time of glove material**  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** According to product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** >162 °C (64742-95-6 Hydrocarbons, C9, aromatics)
- **Flammability** Flammable.

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|  |  |
|--|--|
| · <b>Lower and upper explosion limit</b>                   |  |
| · <b>Lower:</b>  | Not determined.  |
| · <b>Upper:</b>  | Not determined.  |
| · <b>Flash point:</b>                                      | 25 °C (DIN EN ISO 1523:2002)                               |
| · <b>Ignition temperature:</b>                             | 450 °C (DIN 51794, 64742-95-6 Hydrocarbons, C9, aromatics) |
| · <b>Decomposition temperature:</b>                        | Not determined.  |
| · <b>pH</b>  | Not determined.  |
| · <b>Viscosity:</b>  |  |
| · <b>Kinematic viscosity</b>                               | Not determined.  |
| · <b>Dynamic at 20 °C:</b>                                 | 3,500 mPas   |
| · <b>Solubility</b>  |  |
| · <b>water:</b>  | Not miscible or difficult to mix.                          |
| · <b>Partition coefficient n-octanol/water (log value)</b> | Not determined.  |
| · <b>Vapour pressure at 20 °C:</b>                         | 2 hPa (64742-95-6 Hydrocarbons, C9, aromatics)             |
| · <b>Density and/or relative density</b>                   |  |
| · <b>Density at 20 °C:</b>                                 | 3.062 g/cm <sup>3</sup> (DIN EN ISO 2811-1)                |
| · <b>Relative density</b>                                  | Not determined.  |
| · <b>Vapour density</b>                                    | Not determined.  |

|  |   |
|--|---|
| · <b>9.2 Other information</b>   |   |
| · <b>Appearance:</b>   |   |
| · <b>Form:</b>   | Fluid   |
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Auto-ignition temperature:</b>  | Product is not selfigniting.  |
| · <b>Explosive properties:</b>   | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · <b>Solvent content:</b>  |   |
| · <b>VOC (EC)</b>  | 10.17 %   |
| · <b>Solids content (weight-%):</b>  | 89.8 %  |
| · <b>Change in condition</b>   |   |
| · <b>Evaporation rate</b>  | Not determined.   |

|  |                              |
|--|------------------------------|
| · <b>Information with regard to physical hazard classes</b>                        |                              |
| · <b>Explosives</b>  | Void                         |
| · <b>Flammable gases</b>   | Void                         |
| · <b>Aerosols</b>  | Void                         |
| · <b>Oxidising gases</b>   | Void                         |
| · <b>Gases under pressure</b>  | Void                         |
| · <b>Flammable liquids</b>   | Flammable liquid and vapour. |
| · <b>Flammable solids</b>  | Void                         |
| · <b>Self-reactive substances and mixtures</b>                                     | Void                         |
| · <b>Pyrophoric liquids</b>  | Void                         |
| · <b>Pyrophoric solids</b>   | Void                         |
| · <b>Self-heating substances and mixtures</b>                                      | Void                         |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void                         |
| · <b>Oxidising liquids</b>   | Void                         |
| · <b>Oxidising solids</b>  | Void                         |
| · <b>Organic peroxides</b>   | Void                         |

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- |  |              |
|--|--------------|
| <ul style="list-style-type: none"> <li>· <b>Corrosive to metals</b></li> <li>· <b>Desensitised explosives</b></li> </ul> | Void<br>Void |
|--|--------------|

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide

### 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.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** 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.
- **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**

#### · **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

#### · **12.1 Toxicity**

##### · **Aquatic toxicity:**

#### **7440-66-6 zinc powder - zinc dust (stabilized)**

EC50 (dynamic) | 0.9 mg/kg (daphnia) (US EPA 821-R-02-012)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Very toxic for fish

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· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) : hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.  
 Also poisonous for fish and plankton in water bodies.  
 Very toxic for aquatic organisms

**SECTION 13: Disposal considerations**

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA**

UN1263

· **14.2 UN proper shipping name**

· **ADR**

· **IMDG**

· **IATA**

UN1263 PAINT, ENVIRONMENTALLY HAZARDOUS  
 PAINT (zinc powder - zinc dust (stabilized), Solvent  
 naphtha), MARINE POLLUTANT  
 PAINT

· **14.3 Transport hazard class(es)**

· **ADR**



· **Class**

· **Label**

3 (F1) Flammable liquids.

3

· **IMDG**



· **Class**

· **Label**

3 Flammable liquids.

3

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· IATA



· **Class** 3 Flammable liquids.  
 · **Label** 3

· **14.4 Packing group**  
 · **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**  
 · **Marine pollutant:** Symbol (fish and tree)  
 · **Special marking (ADR):** Symbol (fish and tree)

· **14.6 Special precautions for user** Warning: Flammable liquids.  
 · **Hazard identification number (Kemler code):** 30  
 · **EMS Number:** F-E,S-E  
 · **Stowage Category** A

· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

· **ADR**  
 · **Limited quantities (LQ)** 5L  
 · **Transport category** 3  
 · **Tunnel restriction code** D/E  
 · **Remarks:** ≤ 5 l: 2.2.3.1.5 ADR

· **IMDG**  
 · **Limited quantities (LQ)** 5L  
 · **Remarks:** ≤ 5 l: 2.2.3.1.5 IMDG

· **UN "Model Regulation":** UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

**SECTION 15: Regulatory information**

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
 E1 Hazardous to the Aquatic Environment  
 P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

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- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**

| Class | Share in % |
|-------|------------|
| NK    | 10-25      |

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

- **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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