

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

Article No.: 546  
Print date: 27.12.2022  
Version: 3.0

BLENDA-FLOR AS 2K-PU Siegelfarbe antistatisch WV-  
Revision date: 10.12.2022 EN  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Article No. (manufacturer/supplier) 546  
Trade name/designation BLENDA-FLOR AS 2K-PU Siegelfarbe antistatisch WV-546  
MV: 7/3 mit 944

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

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

**supplier (manufacturer/importer/downstream user/distributor)**  
Vismara Unternehmungen CH-5000 Aarau www.farbladen.ch

#### Department responsible for information:

laboratory Manager  
E-mail (competent person)

### 1.4. Emergency telephone number

Emergency telephone number 145 (+41 (0)44 251 51 51)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Aquatic Chronic 3 / H412      Hazardous to the aquatic environment      Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictograms

#### Hazard statements

H412      Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P101      If medical advice is needed, have product container or label at hand.  
P102      Keep out of reach of children.  
P103      Read carefully and follow all instructions.  
P273      Avoid release to the environment.  
P501      Dispose of contents/container to industrial incineration plant.

#### Hazard components for labelling

not applicable

#### Supplemental hazard information

EUH211      Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.  
EUH208      Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Description**      waterborne acryl/PUR resin, containing the following hazardous substances:

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

| EC No.    | REACH No.  | weight-%    |
|-----------|--|-------------|
| CAS No.   | Designation  |             |
| Index No. | classification: // Remark  |             |
| 700-161-3 | 01-2119436357-36<br>Tridecafluorooctyl-phosphate ammonium salt<br>Acute Tox. 1 H330 / STOT RE 2 H373 / Aquatic Chronic 1 H410 (M = 10) | 0.01 - 0.05 |

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|              |   |             |
|--------------|---|-------------|
| 220-120-9    |   |             |
| 2634-33-5    | 1,2-benzisothiazol-3(2H)-one  | 0.01 - 0.05 |
| 613-088-00-6 | Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 |             |
|              | Specific concentration limit (SCL): Skin Sens. 1 H317 >= 0.05                                       |             |

## Additional information

Full text of H-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

#### In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

#### After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

### 4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

#### Unsuitable extinguishing media

strong water jet

### 5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

### 5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

### 6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

### 6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

#### Further information on storage conditions

Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

### 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values:

not applicable

### 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

#### Personal protection equipment

##### Respiratory protection

Not applicable.

##### Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material 0,4 mm Breakthrough time: 30 min

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin: Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Eye/face protection

Wear closely fitting protective glasses in case of splashes.

##### Body protection

Wear suitable protective clothing and gloves.

##### Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

##### Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

refer to label

Odour:

characteristic

Odour threshold:

not applicable

Melting point/freezing point:

not applicable

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|   |   |
|---|---|
| <b>Initial boiling point and boiling range:</b> | <b>100 °C</b><br>Source: PH EN 501166 GEFBEZ@tr4000             |
| <b>Flammability</b>                             | <b>Combustible liquid.</b>                                      |
| <b>Lower and upper explosion limit:</b>         |   |
| <b>Lower explosion limit:</b>                   | <b>0.8 Vol-%</b>  |
| <b>Upper explosion limit:</b>                   | <b>not applicable</b>   |
| <b>Flash point:</b>                             | <b>not applicable</b><br>Method: DIN 53213                      |
| <b>Auto-ignition temperature:</b>               | <b>189 °C</b><br>Source: 1-(2-butoxy-1-methylethoxy)propan-2-ol |
| <b>Decomposition temperature:</b>               | <b>not applicable</b>   |
| <b>pH at 20 °C:</b>                             | <b>not applicable</b>   |
| <b>Cinematic viscosity (40°C):</b>              | <b>&lt; 80 mm<sup>2</sup>/s</b>                                 |
| <b>Viscosity at 20 °C:</b>                      | <b>320 mPa* s</b>   |
| <b>Solubility(ies):</b>                         |   |
| <b>Water solubility at 20 °C:</b>               | <b>partially soluble</b>  |
| <b>Partition coefficient: n-octanol/water:</b>  | <b>see section 12</b>   |
| <b>Vapour pressure at 20 °C:</b>                | <b>23 mbar</b><br>Source: PH EN 501166 GEFBEZ@tr4000            |
| <b>Density and/or relative density:</b>         |   |
| <b>Density at 20 °C:</b>                        | <b>1.09 g/cm<sup>3</sup></b>                                    |
| <b>Relative vapour density:</b>                 | <b>not applicable</b>   |
| <b>particle characteristics:</b>                | <b>not applicable</b>   |
| 9.2. <b>Other information</b>                   |   |
| <b>Solid content:</b>                           | <b>37 weight-%</b>  |
| <b>solvent content:</b>                         |   |
| <b>Organic solvents:</b>                        | <b>3 weight-%</b>   |
| <b>Water:</b>                                   | <b>60 weight-%</b>  |

## SECTION 10: Stability and reactivity

- 10.1. **Reactivity**  
No information available.
- 10.2. **Chemical stability**  
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
- 10.3. **Possibility of hazardous reactions**  
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.
- 10.4. **Conditions to avoid**  
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.
- 10.5. **Incompatible materials**  
not applicable
- 10.6. **Hazardous decomposition products**  
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## 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; Serious eye damage/eye irritation**

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

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## Respiratory or skin sensitisation

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

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

## STOT-single exposure; 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.

## Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

## Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### 11.2. Information on other hazards

#### Endocrine disrupting properties

No information available.

## SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]  
Do not allow to enter into surface water or drains.

### 12.1. Toxicity

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

#### Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Toxicological data are not available.

### 12.3. Bioaccumulative potential

Toxicological data are not available.

#### Bioconcentration factor (BCF)

Toxicological data are not available.

### 12.4. Mobility in soil

Toxicological data are not available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Endocrine disrupting properties

No information available.

### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### List of proposed waste codes/waste designations in accordance with EWC

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

\*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

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## Appropriate disposal / Package Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

## SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

### 14.1. UN number or ID number

not applicable

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

not applicable

### 14.4. Packing group

not applicable

### 14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

### 14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

#### Further information

#### Land transport (ADR/RID)

Tunnel restriction code

-

#### Sea transport (IMDG)

EmS-No.

not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

## SECTION 15: Regulatory information

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

#### EU legislation

#### Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 31

#### National regulations

#### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

### 15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

| EC No.    | Designation                                | REACH No.        |
|-----------|--|------------------|
| CAS No.   |  |                  |
| 700-161-3 | Tridecafluorooctyl-phosphate ammonium salt | 01-2119436357-36 |

## SECTION 16: Other information

### Full text of classification in section 3

Acute Tox. 1 / H330

Acute toxicity (inhalative)

Fatal if inhaled.

STOT RE 2 / H373

STOT-repeated exposure

May cause damage to organs (or state all organs affected, if known) through prolonged or

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|                          |                                      |  |
|--------------------------|--------------------------------------|--|
| Aquatic Chronic 1 / H410 | Hazardous to the aquatic environment | repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).<br>Very toxic to aquatic life with long lasting effects. |
| Acute Tox. 4 / H302      | Acute toxicity (oral)                | Harmful if swallowed.  |
| Skin Irrit. 2 / H315     | Skin corrosion/irritation            | Causes skin irritation.  |
| Eye Dam. 1 / H318        | Serious eye damage/eye irritation    | Causes serious eye damage.   |
| Skin Sens. 1 / H317      | Respiratory or skin sensitisation    | May cause an allergic skin reaction.   |
| Aquatic Acute 1 / H400   | Hazardous to the aquatic environment | Very toxic to aquatic organisms.   |

## Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3                      Hazardous to the aquatic environment                      Calculation method.

## Abbreviations and acronyms

|           |   |
|-----------|---|
| ADR       | European Agreement concerning the International Carriage of Dangerous Goods by Road                               |
| OEL       | Occupational Exposure Limit Value   |
| BLV       | Biological Limit Value  |
| CAS       | Chemical Abstracts Service  |
| CLP       | Classification, Labelling and Packaging   |
| CMR       | Carcinogenic, Mutagenic and Reprotoxic  |
| DIN       | German Institute for Standardization / German industrial standard   |
| DNEL      | Derived No-Effect Level   |
| EAKV      | European Waste Catalogue Directive  |
| EC        | Effective Concentration   |
| EC        | European Community  |
| EN        | European Standard   |
| IATA-DGR  | International Air Transport Association – Dangerous Goods Regulations   |
| IBC Code  | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk               |
| ICAO-TI   | International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IMDG Code | International Maritime Code for Dangerous Goods   |
| ISO       | International Organization for Standardization  |
| LC        | Lethal Concentration  |
| LD        | Lethal Dose   |
| MARPOL    | Maritime Pollution: The International Convention for the Prevention of Pollution from Ships                       |
| OECD      | Organisation for Economic Cooperation and Development   |
| PBT       | persistent, bioaccumulative, toxic  |
| PNEC      | Predicted No Effect Concentration   |
| REACH     | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| RID       | Regulations concerning the International Carriage of Dangerous Goods by Rail                                      |
| UN        | United Nations  |
| VOC       | Volatile Organic Compounds  |
| vPvB      | very persistent and very bioaccumulative  |

## Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.