



according to Regulation (EC) No 1907/2006, Article 31

Printing date 15.05.2024 Version number 2 (replaces version 1) Revision: 15.05.2024

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

- · 1.1 Product identifier
- · Trade name: FEYCOPOX 542 2K EP HS Einschichtlack
- 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

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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.



health hazard

STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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- · 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 GHS07 GHS08 GHS09

## · Signal word Warning

### · Hazard-determining components of labelling:

Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)

**Xylene** 

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight =< 700)

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

#### **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

H411 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.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Store in a well-ventilated place. Keep cool. P403+P235

#### Additional information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

### · 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.

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Dangaraua componente:	(OC	ontd. of pa
Dangerous components: CAS: 25068-38-6	Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular	10-25
	weight 700-1100)  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205	
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	Xylene	≥10-<1
CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight =< 700)  Aquatic Chronic 2, H411; ♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205  Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 %  Eye Irrit. 2; H319: C ≥ 5 %	≥5-<1(
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-Methoxy-1-methylethyl acetate  Flam. Liq. 3, H226;  STOT SE 3, H336	2.5-<1
CAS: 7779-90-0 EINECS: 231-944-3 Reg.nr.: 01-2119485044-40	Trizinc bis(orthophosphate)  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2.5-<1
CAS: 9003-36-5 NLP: 500-006-8 Reg.nr.: 01-2119454392-40	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol  Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥1-<2.
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23	Isobutanol ∳ Flam. Liq. 3, H226; ∳ Eye Dam. 1, H318; ∳ Skin Irrit. 2, H315; STOT SE 3, H335-H336	≥1-<2.
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	Ethylbenzene  Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	<2.5%
CAS: 68609-97-2 EINECS: 271-846-8 Reg.nr.: 01-2119485289-22	Oxirane, mono[(C12-14-alkyloxy)methyl] derivatives  Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1-<

## **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 and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · 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:

CO2, 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

During heating or in case of fire poisonous gases are produced.

- 5.3 Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

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 section 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

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · 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

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· 7.3 Specific end use(s) No further relevant information available.

Ingredients with limit values that require monitoring at the workplace:

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

## · 8.1 Control parameters

1330-	20-7 Xylene
WEL	Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm Sk; BMGV

## 108-65-6 2-Methoxy-1-methylethyl acetate

WEL Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk

#### 78-83-1 Isobutanol

WEL Short-term value: 231 mg/m³, 75 ppm Long-term value: 154 mg/m³, 50 ppm

## 100-41-4 Ethylbenzene

WEL Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm

## · Ingredients with biological limit values:

## 1330-20-7 Xylene

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: methyl hippuric acid

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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## · 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
- · Colour:
- · Odour:
- · Odour threshold:
- · Melting point/freezing point:
- Boiling point or initial boiling point and boiling
- · Flammability
- · Lower and upper explosion limit
- · Lower:
- · Upper: · Flash point:
- · Auto-ignition temperature:
- · Decomposition temperature:
- · pH
- · Viscosity:
- · Kinematic viscosity · Dynamic at 20 °C:
- · Solubility
- · water:
- · Partition coefficient n-octanol/water (log value)
- · Vapour pressure at 20 °C:
- · Density and/or relative density
- Density at 20 °C:

Fluid

According to product specification

Characteristic Not determined. Undetermined.

137-143 °C (1330-20-7 Xylene)

Flammable.

1.1 Vol % (1330-20-7 Xylene) 7 Vol % (1330-20-7 Xylene)

24 °C (DIN EN ISO 1523:2002, 1330-20-7 Xylene) 320 °C (DIN 51794, 31837-42-0 C.I. Pigment Yellow 151)

Not determined. Not determined.

Not determined. 4,500-5,000 mPas

Not miscible or difficult to mix.

Not determined.

6.7-8.2 hPa (1330-20-7 Xylene)

1.501 g/cm<sup>3</sup> (DIN EN ISO 2811-1)

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Relative densityVapour densityNot determined.Not determined.

· 9.2 Other information

· Appearance:

· Form: Fluid

 $\cdot$  Important information on protection of health and

environment, and on safety.

· **Ignition temperature:** Product is not selfigniting.

• **Explosive properties:** Product is not explosive. However, formation of explosive

air/vapour mixtures are possible.

· Solvent content:

· VOC (EC) 22.47 % · Solids content (weight-%): 77.5 %

· Change in condition

• Evaporation rate Not determined.

· Information with regard to physical hazard classes

Explosives Void
Flammable gases Void
Aerosols Void
Oxidising gases Void
Gases under pressure Void

• Flammable liquids Flammable liquid and vapour.

Flammable solids Void
Self-reactive substances and mixtures Void
Pyrophoric liquids Void
Pyrophoric solids Void
Self-heating substances and mixtures Void
Substances and mixtures, which emit flammable gases in contact with water Void
Oxidising liquids Void

gases in contact with water Void
Oxidising liquids Void
Oxidising solids Void
Organic peroxides Void
Corrosive to metals Void
Desensitised explosives 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:

Possible in traces.

Nitrogen oxides

Hydrogen chloride (HCI)

Carbon monoxide

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Nitrogen oxides (NOx)

## **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 Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- STOT-repeated exposure May cause damage to the hearing organs through prolonged or repeated exposure.

## **SECTION 12: Ecological information**

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 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 For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Remark: Toxic for fish
- · 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.

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

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(Contd. of page 8) · 14.2 UN proper shipping name · ADR UN1263 PAINT, ENVIRONMENTALLY HAZARDOUS ·IMDG PAINT (Bisphenolresins, Trizinc bis(orthophosphate)), MARINE POLLUTANT ·IATA **PAINT** · 14.3 Transport hazard class(es) · ADR 3 (F1) Flammable liquids. · Class · Label · IMDG · Class 3 Flammable liquids. · Label ·IATA · Class 3 Flammable liquids. · Label 3 · 14.4 Packing group · ADR, IMDG, IATA Ш · 14.5 Environmental hazards: Product contains environmentally hazardous substances: Bisphenolresins · 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 Α · 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

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· Remarks:	≤ 5 l: 2.2.3.1.5 ADR
· IMDG · Limited quantities (LQ) · Remarks:	5L ≤ 5 l: 2.3.2.5 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
- · Poisons Act
- · Regulated explosives precursors

None of the ingredients is listed.

Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · 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

H225 Highly flammable I	iduid and	vapour.
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H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

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Harmful if inhaled. H332

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure. H373

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.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

### 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. 2: Flammable liquids - Category 2

Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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.