

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 28.01.2022

Version number 3

Revision: 28.01.2022

<b>1.1 Product identifier</b>	
Trade name: FEYCRY	T Härter 280
	l uses of the substance or mixture and uses advised against
No further relevant info	
Sector of Use	
	ses of substances as such or in preparations at industrial sites
	s: Public domain (administration, education, entertainment, services, craftsmen)
	a Coatings and paints, thinners, paint removers stance / the mixture Hardening agent/ Curing agent
1.3 Details of the supp Manufacturer/Supplie	lier of the safety data sheet
FEYCOLOR GmbH	1.
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www.feycolor.com	
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www.feycolor.com <b>1.4 Emergency telepho</b> <b>SECTION 2: Hazar</b> <b>2.1 Classification of th</b> <b>Classification accordin</b> flame Flam. Liq. 3 H226	one number: +49 (0) 700 24 11 21 12 (FCM)     ds identification   e substance or mixture ng to Regulation (EC) No 1272/2008 Flammable liquid and vapour. Harmful if inhaled.
www.feycolor.com 1.4 Emergency telepho SECTION 2: Hazar 2.1 Classification of th Classification accordin flame Flam. Liq. 3 H226 Acute Tox. 4 H332 Skin Sens. 1 H317	one number: +49 (0) 700 24 11 21 12 (FCM)   ds identification e substance or mixture ng to Regulation (EC) No 1272/2008 Flammable liquid and vapour. Harmful if inhaled. May cause an allergic skin reaction.
www.feycolor.com 1.4 Emergency telepho SECTION 2: Hazar 2.1 Classification of th Classification accordin Flam. Liq. 3 H226 Acute Tox. 4 H332 Skin Sens. 1 H317 STOT SE 3 H335-H3	one number: +49 (0) 700 24 11 21 12 (FCM)     ds identification   e substance or mixture ng to Regulation (EC) No 1272/2008 Flammable liquid and vapour. Harmful if inhaled.
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www.feycolor.com 1.4 Emergency telepho SECTION 2: Hazar 2.1 Classification of th Classification accordin Flam. Liq. 3 H226 Acute Tox. 4 H332 Skin Sens. 1 H317 STOT SE 3 H335-H3 2.2 Label elements Labelling according to	one number: +49 (0) 700 24 11 21 12 (FCM)   ds identification e substance or mixture ng to Regulation (EC) No 1272/2008 Flammable liquid and vapour. Harmful if inhaled. May cause an allergic skin reaction.



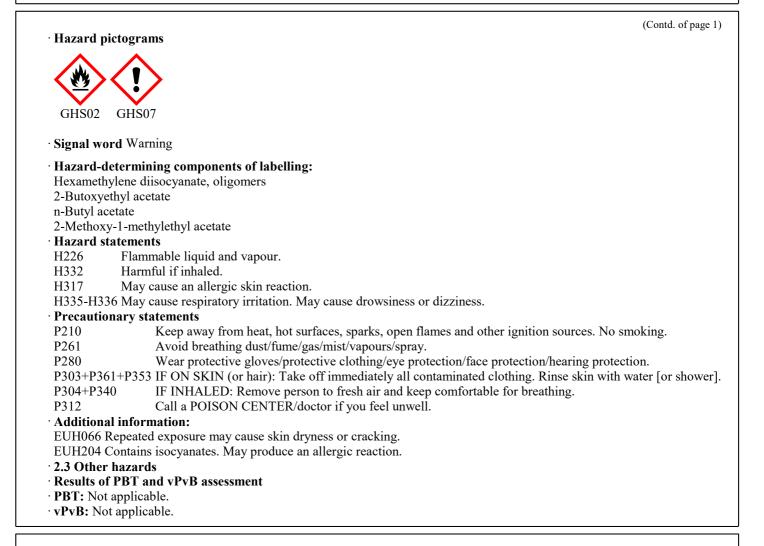
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# **SECTION 3: Composition/information on ingredients**

# · 3.2 Chemical characterisation: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

<ul> <li>Dangerous components:</li> </ul>		
CAS: 28182-81-2 NLP: 500-060-2 Reg.nr.: 01-2119485796-17	Hexamethylene diisocyanate, oligomers Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	50-100%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-Butyl acetate Flam. Liq. 3, H226; (1) STOT SE 3, H336	10-25%
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	10-25%
CAS: 112-07-2 EINECS: 203-933-3 Reg.nr.: 01-2119475112-47	2-Butoxyethyl acetate Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	5-<10%
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· 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.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

- 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:

Generally the product does not irritate the skin.

Immediately rinse with water.

· After eye contact: Rinse opened eye for several minutes under running water.

- · After swallowing: If symptoms persist consult doctor.
- · 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: Alcohol resistant foam
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Nitrogen oxides (NOx)

Carbon monoxide (CO)

Hydrogen cyanide (HCN)

- 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

- Wear protective equipment. Keep unprotected persons away.
- · 6.2 Environmental precautions: 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.

Contain and collect spillages with non-combustible absorbent materials (e.g. sand, earth, diatomaceous earth) and place in a suitable container.

Decontaminate immediately with suitable mixture (flammable):

- as such usable (inflammatory!):

water	45 Vol.%
ethanol or isopropanol	50 Vol.%
ammonia solution (Density= 0.88)	5 Vol.%
- alternatively (non-flammable):	

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sodium carbonate water

95 Vol.%

5 Vol.%

Add the same decontaminant to any residues and allow to stand for several days in an non-sealed container until no further reaction occurs. Once this stage is reached, close the container and dispose of in accordance with the waste regulations (see 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

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Persons with a history of asthma, allergies or chronic or recurrent respiratory diseases should only be employed in processes in which this product is used under appropriate medical supervision.

### 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:

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

Store away from foodstuffs.

· Further information about storage conditions:

Keep container tightly sealed.

Store separately from oxidising agents, strongly alkaline and strongly acidic materials, amines, alcohol and water.

· Storage class: 3

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

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

· Additional information about design of technical facilities: No further data; see item 7.

· Ingredients with limit values that require monitoring at the workplace:

### 28182-81-2 Hexamethylene diisocyanate, oligomers

EBW Short-term value: 0.5 mg/m<sup>3</sup> exposition evaluation valu TRGS 430 (EBW)

# 123-86-4 n-Butyl acetate

	5
WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm
	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
108-6	<b>5-6 2-Methoxy-1-methylethyl acetate</b> Short-term value: 548 mg/m <sup>3</sup> , 100 ppm

Long-term value: 274 mg/m<sup>3</sup>, 50 ppm Sk

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# 112-07-2 2-Butoxyethyl acetate

WEL Short-term value: 332 mg/m<sup>3</sup>, 50 ppm Long-term value: 133 mg/m<sup>3</sup>, 20 ppm Sk

• Additional information: The lists valid during the making were used as basis.

# · 8.2 Exposure controls

### · Personal protective equipment:

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

# General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

### **Respiratory protection:**

Filter A/P2 (EN 141, EN 143)



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.

### · Protection of hands:



Protective gloves (EN 374)

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

# Material of gloves

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.7 \text{ mm}$ 

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

For the mixture of chemicals the penetration time has to be at least 60 minutes (Permeation according to EN 374 Part 3: Level 3).

### • Eye protection:



Tightly sealed goggles

 SECTION 9: Physical and chemical properties

 • 9.1 Information on basic physical and chemical properties

 • General Information

 • Appearance:

 • Form:
 Fluid

 Colour:
 According to product specification

 • Odour:
 Characteristic

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· Odour threshold:	Not determined.
· pH-value:	Not determined.
<sup>.</sup> Change in condition Melting point/freezing point: Initial boiling point and boiling range	Undetermined. :: 124-128 °C
· Flash point:	27 °C (DIN 53213)
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	280 °C (DIN 51794)
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixture are possible.
· Explosion limits: Lower: Upper:	1.2 Vol % 10.8 Vol %
· Vapour pressure at 20 °C:	10.7 hPa
<ul> <li>Density at 20 °C:</li> <li>Relative density</li> <li>Vapour density</li> <li>Evaporation rate</li> </ul>	1.036 g/cm <sup>3</sup> (DIN 53217) Not determined. Not determined. Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: Dynamic: Kinematic at 20 °C:	Not determined. 10-15 s (DIN 53211/4)
· Solvent content: VOC (EC)	45.99 %
Solids content (weight-%):	54.0 %
• 9.2 Other information	No further relevant information available.

# **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

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Hydrogen chloride (HCl) Hydrogen cyanide (prussic acid) Carbon monoxide Nitrogen oxides (NOx)

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# **SECTION 11: Toxicological information**

#### · 11.1 Information on toxicological effects

- · Acute toxicity
- Harmful if inhaled.
- · Primary irritant effect:
- · 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
- May cause an allergic skin reaction.
- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · 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
- May cause respiratory irritation. May cause drowsiness or dizziness.
- · 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.

# **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.
- · 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.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- 12.6 Other adverse effects No further relevant information available.

# **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.

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· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

PAINT RELATED MATERIAL ELATED MATERIAL ammable liquids.
ELATED MATERIAL
ammable liquids.
able liquids.
Flammable liquids.
cable.
·



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· UN "Model Regulation":

UN 1263 PAINT RELATED MATERIAL, 3, III

# **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 P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

• Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

· National regulations:

· Additional classification according to Decree on Hazardous Materials, Annex II:

Class Share in %

NK 25-50

· 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.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

# 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:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

Acute Tox. 4: Acute toxicity – Category 4

Skin Sens. 1: Skin sensitisation – Category 1

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

### • \* Data compared to the previous version altered.

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