

according to 1907/2006/EC, Article 31

Printing date 24.01.2023

Version number 4 (replaces version 3)

Revision: 24.01.2023

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

- · 1.1 Product identifier
- · Trade name: RELON Härter 07
- 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 Hardening agent/ Curing agent
- · 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



Flam. Liq. 3 H226 Flammable liquid and vapour.



Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Skin Irrit. 2H315 Causes skin irritation.Eye Irrit. 2H319 Causes serious eye irritation.Skin Sens. 1H317 May cause an allergic skin reaction.

· 2.2 Label elements

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

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

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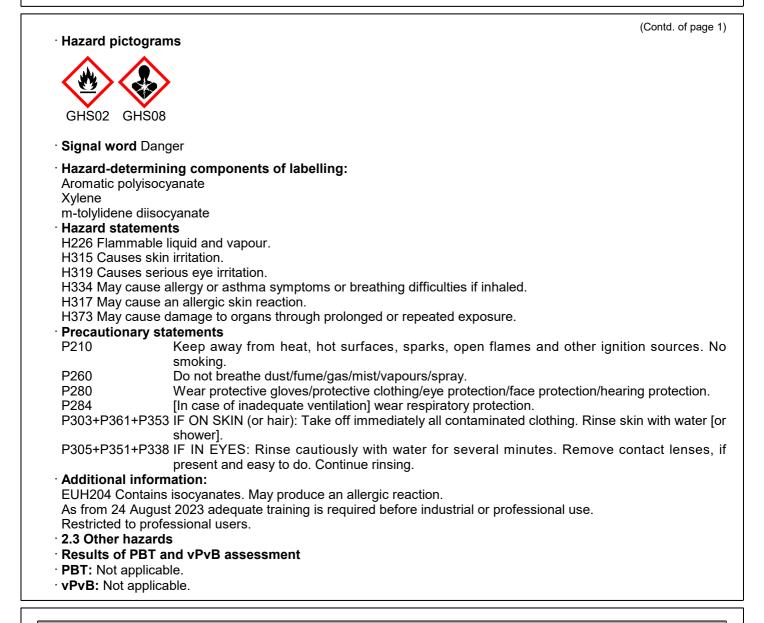
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#### **SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

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

# · Dangerous components:

CAS: 53317-61-6         Aromatic polyisocyanate         50-100%           NLP: 500-120-8	Bangerous components.		
NLP: 500-120-8 🚯 Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH204	CAS: 53317-61-6	Aromatic polyisocyanate	50-100%
	NLP: 500-120-8	Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH204	

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	(C	ontd. of page 2)
	hoxy-1-methylethyl acetate m. Liq. 3, H226; 🚸 STOT SE 3, H336	10-25%
Reg.nr.: 01-2119488216-32 🚯 Aci	e im. Liq. 3, H226; � STOT RE 2, H373; Asp. Tox. 1, H304; ute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye , H319; STOT SE 3, H335	≥10-<15%
EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	enzene m. Liq. 2, H225; I STOT RE 2, H373; Asp. Tox. 1, H304; ute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic ic 3, H412	2.5-<10%
EINECS: 247-722-4 Reg.nr.: 01-2119454791-34 3, H33	lidene diisocyanate ute Tox. 1, H330;	≥0.1-<1%

#### **SECTION 4: First aid measures**

#### · 4.1 Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

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: 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.

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. In case of fire, the following can be released: Nitrogen oxides (NOx) Carbon monoxide (CO) Hydrogen cyanide (HCN)

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# · 5.3 Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

· 6.1 Personal precautions, protective equipment and emergency procedures

## **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 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):
sodium carbonate 5 Vol.%
water 95 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
• <b>7.1 Precautions for safe handling</b> Ensure good ventilation/exhaustion at the workplace.
• <b>7.1 Precautions for safe handling</b> Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
<ul> <li>• 7.1 Precautions for safe handling</li> <li>Ensure good ventilation/exhaustion at the workplace.</li> <li>Prevent formation of aerosols.</li> <li>Persons with a history of asthma, allergies or chronic or recurrent respiratory diseases should only be employed</li> </ul>
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#### · Storage class: 3

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

# SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

 Ingredients with limit values that require monitoring at the workplace:
 108-65-6 2-Methoxy-1-methylethyl acetate
 WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm Long-term value: 274 mg/m<sup>3</sup>, 50 ppm Sk
 1330-20-7 Xylene
 WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm Long-term value: 220 mg/m<sup>3</sup>, 50 ppm Sk; BMGV

100-41-4 EthylbenzeneWELShort-term value: 552 mg/m³, 125 ppm<br/>Long-term value: 441 mg/m³, 100 ppm<br/>Sk26471-62-5 m-tolylidene diisocyanate

# WEL Short-term value: 0.07 mg/m<sup>3</sup> Long-term value: 0.02 mg/m<sup>3</sup> Sen; as -NCO

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 item 7.

• Individual protection measures, such as personal protective equipment All personal protective equipment, including respiratory protecitve equipment, used to control exposure to

hazardous substances must be selected to meet the requirements of the COSHH Regulations.

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

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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

• 9.1 Information on basic physical and chemical provide the second s	properties
General Information	
<sup>·</sup> 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	137-143 °C (1330-20-7 Xylene)
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	1.1 Vol % (1330-20-7 Xylene)
Upper:	10.8 Vol % (108-65-6 2-Methoxy-1-methylethyl acetate)
Flash point:	40 °C (DIN EN ISO 1523:2002)
Ignition temperature:	315 °C (DIN 51794, 108-65-6 2-Methoxy-1-methyleth
<b>5</b> • • • • • • •	acetate)
Decomposition temperature:	Not determined.
· pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic at 20 °C:	1,200-2,000 mPas
Solubility	, ,
· water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	6.7-8.2 hPa (1330-20-7 Xylene)



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Density and/or relative density	
Density at 20 °C:	1.142 g/cm³ (DIN EN ISO 2811-1)
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and	k k
environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosiv
	air/vapour mixtures are possible.
Solvent content:	
VOC (EC)	32.91 %
Solids content (weight-%):	67.1 %
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	¥ Olu
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void
20000101000 0xp1031700	

# **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)

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Hydrogen cyanide (prussic acid) Carbon monoxide 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.

· LD/LC50 values relevant for classification:

53317-61-6 Aromatic polyisocyanate

Oral LD50 >5,000 mg/kg (rat)

· Skin corrosion/irritation Causes skin irritation.

· Serious eye damage/irritation Causes serious eye irritation.

· Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

· STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

#### **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

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- · 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.

#### **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:

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

ATED MATERIAL ATERIAL
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Remarks:	≤ 30 l: 2.2.3.5 IMDG-Code

• 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:

Share in %
<1
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

- Highly flammable liquid and vapour. H225
- Flammable liquid and vapour. H226
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- May cause an allergic skin reaction. H317
- Causes serious eye irritation. H319
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled. H334
- May cause respiratory irritation. H335
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

EUH204 Contains isocyanates. 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



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ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Lig. 2: Flammable liguids – Category 2	
Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4	
Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 1: Acute toxicity – Category 1 Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
Resp. Sens. 1: Respiratory sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Core 1: Corringenzitie Cotegory 2	
Carc. 2: Carcinogenicity – Category 2 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 Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 · * <b>Data compared to the previous version altered.</b>	