Article Print c /ersic		115-07 21.11.2018 2.8	FEYCOPOX Ra Revision date: 2 Issue date: 11.1	4.10.2018	999998 EN Page 1 / 9	FEYCOLOR	
SEC	TION 1: Ide	entification of t	he substance/mix	xture and of the	company/undertaking		
1.1.	product id	entifiers					
	Article No.	(manufacturer/su	oplier)	115-07			
	Identificatio	on of the substanc	e or mixture	FEYCOPOX F			
				für FEYCOPO	X 510 und 533		
1.2.	Relevant i	dentified uses of	the substance or r	mixture and uses	advised against		
	Relevant i	dentified uses:					
	Hardener for 2 component epoxy resins or coatings.						
	For details on use please see the related technical data sheet!						
1.3.	Details of the supplier of the safety data sheet						
	manufactu	irer					
	FEYCOLO						
	Maxhuetter				49 (0)941/60 49 7-0		
	93055 Reg	ensburg			(0)941/60 49 7-30		
				E-mail info@fe			
				Website: www	leycolor.com		
		onsible for infor		0040 (0)044/0	. 40 7 0		
	•	t for dangerous gonpetent person)	Dous	0049 (0)941/6 sd@feycolor.c			
	· ·	, ,	h	su@leycolor.c	UIII		
1.4.	-	y telephone num / telephone numbe			11 21 12 (FCM)		
			nformationszentrale	+43 (0) 1406 4	. ,		
		0 0			0+0		
SEC	TION 2: Ha	azards identifica	ation				
2.1. Classification of the substance or mixture							

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

Flammable liquids	Flammable liquid and vapour.
skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage.
Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.
	skin corrosion/irritation Serious eye damage/eye irritation Specific target organ toxicity (single exposure) Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated

2.2. Label elements

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







Danger

Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

i recautional y stater	nents
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical equipment.
P280	Wear protective gloves and eye/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

	No.: ate: n:	ate: 21.11.2018		POX Rapidhärter 07 date: 24.10.2018 te: 11.10.2018	999998 EN Page 2 / 9	FEYCOLOR	
	P310 P405 P501	405 Keep locked up.					
	Hazard cor		for labelling				
		-	2-methylpropan-1-0 Xylene	ol			
	Supplemer		I information (EU) not applicable				
	Other haza	rds					
	The substar	nces in the	mixture do not mee	et the PBT/vPvB criteria ad	cording to REACH, anne	x XIII.	
C.		mnositio	n / information o	n ingredients	-		
		mpositioi					
2.	Mixtures						
	Product de	-	chemical charact				
	Description	า	Preparation out of	polyamide resin in solvent	S		
	Hazardous	ingredient	ts				
	Classification according to Regulation (EC) No 1272/2008 [CLP]						
	EC No.		REACH No.				
	CAS No.		Chemical name			Wt %	
	INDEX No.		classification // Re	emark			
	215-535-7		01-2119488216-32	2			
	1330-20-7		Xylene			25 < 50	
	601-022-00			2 / Acute Tox. 4 H332 / 3 H335 / STOT RE 2 H			
	201-148-0		01-2119484609-23	}			
	78-83-1		2-methylpropan-1-			12,5 < 20	
	603-108-00		Flam. Liq. 3 H226 H318 / STOT SE	3 / STOT SE 3 H335 / 3 H336	Skin Irrit. 2 H315 / Eye	e Dam. 1	
			Cardolite NC 562			10 < 12,5	
			Eye Dam. 1 H318	/ Skin Irrit. 2 H315		, -	
	203-539-1		01-2119457435-35				
	107-98-2		1-methoxy-2-propa			5 < 10	
	603-064-00		•	/ STOT SE 3 H336			
	204-658-1		01-2119485493-29)			
	123-86-4		n-butyl acetate			1 < 5	
	607-025-00			/ STOT SE 3 H336			
	200-751-6		01-2119484630-38	3		4	
	71-36-3		butan-1-ol	2 / Okin Irrit 2 4215 /	Eye Dam. 1 H318 / ST(1 < 5 OT SE 3	

EEVCOLOD®

Full text of classification: 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



Article No.:	115-07	FEYCOPOX Rapidhärter 07		
Print date:	21.11.2018	Revision date: 24.10.2018	999998 EN	
Version:	2.8	Issue date: 11.10.2018	Page 3 / 9	

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.

After 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** No special measures are necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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

Extinguishing media which must not be used for safety reasons:

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

Keep away from sources of ignition. 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).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. 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.

Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

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



Article No.:	115-07	FEYCOPOX Rapidhärter 07		
Print date:	21.11.2018	Revision date: 24.10.2018	999998 EN	
Version:	2.8	Issue date: 11.10.2018	Page 4 / 9	

carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

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

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

Xylene

INDEX No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7 WEL, TWA: 220 mg/m3; 50 ppm WEL, STEL: 441 mg/m3; 100 ppm BMGV, TWA: 650 mmol/mol creatinine

Remark: methyl hippuric acid; urine; end of exposure or end of shift

2-methylpropan-1-ol

INDEX No. 603-108-00-1 / EC No. 201-148-0 / CAS No. 78-83-1

WEL, TWA: 154 mg/m3; 50 ppm WEL, STEL: 231 mg/m3; 75 ppm

1-methoxy-2-propanol

INDEX No. 603-064-00-3 / EC No. 203-539-1 / CAS No. 107-98-2

WEL, TWA: 375 mg/m3; 100 ppm WEL, STEL: 560 mg/m3; 150 ppm

n-butvl acetate

INDEX No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4 MEL/OES, TWA: 724 mg/m3; 150 ppm

MEL/OES, STEL: 966 mg/m3; 200 ppm

Additional information

TWA : long-term occupational exposure limit value STEL : short-term occupational exposure limit value Ceiling : peak limitation

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

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

Thickness of the glove material 0,7 mm; Breakthrough time (maximum wearing time) 60 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 DIN EN 374

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

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.



Article No.:	115-07	FEYCOPOX Rapidhärter 07
Print date:	21.11.2018	Revision date: 24.10.2018
Version:	2.8	Issue date: 11.10.2018

999998 EN Page 5 / 9

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 chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1.	Information on basic physical and chemical p	roperties
	Appearance:	
	Physical state:	Liquid
	Colour:	refer to label
	Odour:	characteristic
	Odour threshold:	not applicable
	pH at20 °C:	n.a.
	Melting point/freezing point:	not applicable
	Initial boiling point and boiling range:	108 °C
		Source: 2-methylpropan-1-ol
	Flash point:	24 °C
	Evaporation rate:	not applicable
	Flammability (solid, gas):	
	Burning time (s):	not applicable
	Upper/lower flammability or explosive limits:	4 07 \/_1 0/
	Lower explosion limit: Upper explosion limit:	1,27 Vol-% 13,1 Vol-%
		Source: 1-methoxy-2-propanol
	Vapour pressure at20 °C:	5,9307 mbar
	Vapour density:	not applicable
	Relative density:	
	Density at20 °C:	0,91 g/cm³
	Solubility(ies):	
	Water solubility (g/L) at20 °C:	partially soluble
	Partition coefficient: n-octanol/water:	see section 12
	Auto-ignition temperature:	270 °C
	Decomposition tomporature:	Source: Merginamid L170/50
	Decomposition temperature:	not applicable > 16 s 4 mm
	Viscosity at20 °C:	Method: DIN 53211
	Explosive properties:	not applicable
	Oxidising properties:	not applicable
9.2.	Other information	
	Solid content (%):	37 Wt %
	solvent content:	
	Organic solvents:	63,27 Wt %
	Water:	0,00 Wt %
	Solvent separation test (%):	< 3 Wt % (ADR/RID)
OF C	TION 10: Stability and reactivity	

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



Article No.: Print date: Version:	115-07 21.11.2018 2.8	FEYCOPOX Rapidhärter 07 Revision date: 24.10.2018 Issue date: 11.10.2018	999998 EN Page 6 / 9	
Keep av	vay from strong acid	s, strong bases and strong oxidizing age	nts to avoid exothermic reactions	š.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

No information available.

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

Classification according to Regulation (EC) No 1272/2008 [CLP] No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity, calculated:

ATEmix calculated, oral: > 5000 mg/kg ATEmix calculated, dermal: 3177 mg/kg ATEmix calculated, inhalative (vapours): > 20 mg/l

Acute toxicity

1-methoxy-2-propanol oral, LD50, Rat: 4016 mg/kg dermal, LD50, Rabbit: 10000 mg/kg inhalative (vapours), LC50, Rat: 6 mg/l (4 h)

n-butyl acetate

oral, LD50, Rat: 14000 mg/kg inhalative (vapours), LC50, Rat: > 21 mg/l (4 h)

Xylene oral, LD50, Rat: 8640 mg/kg dermal, LD50, Rabbit: > 4200 mg/kg Harmful in contact with skin. inhalative (vapours), LC50, Rat: 27,6 mg/l (4 h) Harmful if inhaled.

skin corrosion/irritation; Serious eye damage/eye irritation

Xylene Skin (4 h) Causes skin irritation. eyes Causes serious eye irritation.

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.

Specific target organ toxicity

1-methoxy-2-propanol Specific target organ toxicity (single exposure), drowsiness:

May cause drowsiness or dizziness.

n-butyl acetate

Specific target organ toxicity (single exposure), drowsiness: May cause drowsiness or dizziness.

Xylene

Specific target organ toxicity (single exposure), Irritation: May cause respiratory irritation. Specific target organ toxicity (repeated exposure):

Aspiration hazard

Xylene

Article No.:	115-07	FEYCOPOX Rapidhärter 07
Print date:	21.11.2018	Revision date: 24.10.2018
Version:	2.8	Issue date: 11.10.2018

999998 EN Page 7 / 9 **FEYCOLOR**[®]

Aspiration hazard

May be fatal if swallowed and enters airways.

Practical experience/human evidence

Other observations:

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.

Remark

There is no information available on the preparation itself .

SECTION 12: Ecological information

overall evaluation

Classification according to Regulation (EC) No 1272/2008 [CLP] There is no information available on the preparation itself . Do not allow to enter into surface water or drains.

12.1. Toxicity

Xylene

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 2,6 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 1 mg/l (48 h)

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability No information available.

12.3. Bioaccumulative potential

No information available.

Bioconcentration factor (BCF)

Xylene

Bioconcentration factor (BCF), Oncorhynchus mykiss (Rainbow trout): 25,9

12.4. Mobility in soil

No information 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. 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

packaging

Recommendation

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

SECTION 14: Transport information

Article Print da Versior	ate:	115-07 21.11.2018 2.8	FEYCOPOX Rapidhärter 07 Revision date: 24.10.2018 Issue date: 11.10.2018	999998 EN Page 8 / 9				
			UN 1263					
	Land tran Sea trans	er shipping name nsport (ADR/RID): sport (IMDG): port (ICAO-TI / IATA		ED MATERIAL				
	•	rt hazard class(es)	•					
			3					
14.4.	Packing	group	III					
14.5.	Environ	mental hazards						
	Land trar	nsport (ADR/RID)	not applicable					
	Marine p	ollutant	not applicable					
14.6.	Special	precautions for use	er					
	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 i	information						
	Land tra	nsport (ADR/RID)						
	tunnel re	striction code	D/E					
	Sea tran	sport (IMDG)						
	EmS-No.		F-E, S-E					
	Air trans	port (ICAO-TI / IAT	A-DGR)					
14.7.	Transpo	rt in bulk according	g to Annex II of Marpol and the IE	3C Code				
	not appli	cable						
SECT	FION 15:	Regulatory infor	mation					
15.1.	Safety, h	nealth and environr	nental regulations/legislation spe	ecific for the substance or mixture				
	EU legis	lation						
	Directive 2010/75/EU on industrial emissions VOC-value (in g/L): 575							
	National regulations							
	Restrictions of occupation							
	Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).							
		-	ons and prohibition regulations					
		al Safety Assessme following substanc		safety assessment has been carried out:				
	EC No. CAS No.	Chem	ical name	REACH No.				
	215-535- 1330-20-	-7 Xylene		01-2119488216-32				
-	201-148-		nylpropan-1-ol	01-2119484609-23				
-	78-83-1	4 4 11		04 0440457405 05				
	203-539-	2	noxy-2-propanol	01-2119457435-35				
	204-658-123-86-4	•	l acetate	01-2119485493-29				

01-2119484630-38

SECTION 16: Other information

123-86-4 200-751-6

71-36-3

Full text of classification in section 3:

butan-1-ol

FEYCOLOR°

le No.: t date: sion:	115-07 21.11.2018 2.8	FEYCOPOX Rapidhärter 07 Revision date: 24.10.2018 Issue date: 11.10.2018	999998 EN Page 9 / 9	
Acute Tox. 4 / H312		Acute toxicity (dermal)	Harmful in contact with skin.	
Acute Tox. 4 / H332		Acute toxicity (inhalative)	Harmful if inhaled.	
Skin Irrit. 2 / H315		skin corrosion/irritation	Causes skin irritation.	
Eye Irrit. 2 / H319		Serious eye damage/eye irritation	Causes serious eye irritation.	
STOT SE 3	8 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.	
STOT RE 2	2 / H373	Specific target organ toxicity (repeated exposure)	May cause damage to organs (or state all organs affected, if known) through prolonged o repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).	
Asp. Tox. 1	/ H304	Aspiration hazard	May be fatal if swallowed and enters airways.	
Flam. Liq. 3		Flammable liquids	Flammable liquid and vapour.	
Eye Dam.		Serious eye damage/eye irritation	Causes serious eye damage.	
STOT SE 3		Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.	
Acute Tox.	4 / H302	Acute toxicity (oral)	Harmful if swallowed.	
Abbreviati	ons and acrony	ms		
			l des marchandises dangereuses par route (Europe	
		ement concerning the International Carriage	of Dangerous Goods by Road)	
AGW (WEI		pational Exposure Limit Value		
CAS		nicals Abstract Service		
CLP		ification, Labelling and Packaging		
CMR		nogenic, Mutagenic and Reprotoxic		
DNEL	-	ed No-Effect Level		
IATA-DGR International		national Air Transport Association – Dangero	nal Air Transport Association – Dangerous Goods Regulations	
ICAO-TI		International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangeron Goods by Air		
IMDG Code	IMDG Code International Maritime Code for Dangerous Goods			
PBT	PBT persistent, bioaccumulative, toxic			
PNEC	PNEC Predicted No Effect Concentration			
REACH	Regis	stration, Evaluation, Authorisation and Restri	iction of Chemicals	
RID			tional ferroviaire de marchandises Dangereus	
UN		ulations concerning the International Carriag d Nations	e of Dangerous Goods by Rall)	
LC		a Concentration		
LC LD		al Dose		
VOC		ile Organic Compounds		
	volat	ne Organic Compounds		

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 chapter 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.