acco	ruing to Re	gulation (EO) 20	15/650			FEYCOLOR [®]
Article Print o Versio	date:	115-504-2 21.11.2018 2.8	FEYCOPOX Harde Revision date: 24.1 Issue date: 11.10.2	10.2018	999998 EN Page 1 / 9	FETCOLOK
SEC	TION 1: Ide	entification of the	e substance/mixtu	ire and of the com	pany/undertaking	
1.1.	product id	entifiers				
		(manufacturer/supp on of the substance	/	115-504-2 FEYCOPOX Harder normal	ner 504	
1.2.	Relevant id	dentified uses of t	he substance or mix	ture and uses advis	ed against	
1.3.	Hardener for For details of		xy resins or coatings. e related technical data safety data sheet			
	manufactu FEYCOLOF Maxhuetter 93055 Reg	R GmbH nstraße 6		Telephone: 0049 (0) Telefax: 0049 (0)94 E-mail info@feycolo Website: www.feyco	1/60 49 7-30 r.com	
	Departmen	onsible for information on the second		0049 (0)941/60 49 7 sd@feycolor.com	′ -0	
1.4.	Emergency	y telephone number telephone number sche Vergiftungsinf		+49 (0) 700 24 11 2 +43 (0) 1406 43 43	1 12 (FCM)	
SEC	TION 2: Ha	zards identificat	ion			
2.1.		ion of the substan ion according to F	ice or mixture Regulation (EC) No 1	1272/2008 [CLP]		

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

	č	
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
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 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.
STOT SE 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.
STOT RE 2 / H373	Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

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





Warning

Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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 recultionary staten	
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

Article		115-504-		FEYCOPOX Hardener 504				
Print c Versic		21.11.20 2.8	10	Revision date: 24.10.2018 Issue date: 11.10.2018	999998 EN Page 2 / 9			
	P308 + P31 P405 P501 Hazard cor	-	IF expos Keep loo Dispose for label Xylene	of contents/container to industrial inc ling				
	Supplemer	ntal Hazar						
2.3.	Other haza The substa		e mixture o	do not meet the PBT/vPvB criteria ac	cording to REACH, annex XIII.			
SEC	TION 3: Co	mpositio	on / infor	mation on ingredients				
3.2.	Mixtures							
	Product de	scription	/ chemic	al characterization				
	Description							
	Hazardous ingredients							
		lassification according to Regulation (EC) No 1272/2008 [CLP]						
	EC No.		REACH					
	CAS No.		Chemica	al name		Wt %		
	INDEX No.			ation // Remark				
	215-535-7 1330-20-7			488216-32		25 < 50		
	601-022-00	-9		x. 4 H312 / Acute Tox. 4 H332 / STOT SE 3 H335 / STOT RE 2 H3 226		2		
	203-539-1			457435-35				
	107-98-2 603-064-00	-3		xy-2-propanol إ. 3 H226 / STOT SE 3 H336		12,5 < 20		
	204-658-1			485493-29				
	123-86-4 607-025-00	_1	n-butyl a	cetate 1. 3 H226 / STOT SE 3 H336		5 < 10		
	Additional			1. 3 HZZ0 / 3101 3E 3 H330				
	Full text of			ection 16				

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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.

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



Article No.:	115-504-2	FEYCOPOX Hardener 504
Print date:	21.11.2018	Revision date: 24.10.2018
Version:	2.8	Issue date: 11.10.2018

999998 EN Page 3 / 9

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 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.



Article No.:	115-504-2	FEYCOPOX Hardener 504
Print date:	21.11.2018	Revision date: 24.10.2018
Version:	2.8	Issue date: 11.10.2018

999998 EN Page 4 / 9

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 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-butyl 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.

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 properties

Appearance:	
Physical state:	Liquid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not applicable
pH at20 °C:	n.a.

Article No.:	.: 115-504-2	FEYCOPOX H	lardener 504		FEYCOLOR [®]
Article No.: Print date: Version:		Revision date: Issue date: 11	: 24.10.2018	999998 EN Page 5 / 9	
Mei	Iting point/freezing point	t:	not applicable		
	Initial boiling point and boiling range:		117 °C Source: 1-methoxy-	-2-propanol	
Fla	ish point:		30 °C		
Eva	aporation rate:		not applicable		
Bu	mmability (solid, gas): urning time (s):		not applicable		
Lo	per/lower flammability o ower explosion limit: pper explosion limit:	or explosive limit:	s: 1,26 Vol-% 13,1 Vol-% Source: 1-methoxy-	-2-propanol	
Vap	pour pressure at20 °C:		5,554 mbar		
Vap	pour density:		not applicable		
Rel	lative density: ensity at20 °C:		0,94 g/cm³		
	lubility(ies): ater solubility (g/L) at20 °	°C:	partially soluble		
	rtition coefficient: n-octa		see section 12		
Aut	to-ignition temperature:		270 °C Source: Merginamie	d L170/50	
Dec	composition temperature	'e:	not applicable		
	scosity at20 °C:		> 30 s 4 mm Method: DIN 53211		
Exp	plosive properties:		not applicable		
-	idising properties:		not applicable		
	her information				
Sol	lid content (%):		49 Wt %		
O	lvent content: rganic solvents: /ater:		51,50 Wt % 0,00 Wt %		
	Ivent separation test (%)	12	< 3 Wt % (ADR/RID	')	
	N 10: Stability and rea				
10.1. Rea					
	information available.				
10.2. Che Sta	emical stability	commended regula	ations for storage and I	handling. Further informa	ation 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

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:



Page 6 / 9

Article No.:	115-504-2	FEYCOPOX Hardener 504		
Print date:	21.11.2018	Revision date: 24.10.2018		
Version:	2.8	Issue date: 11.10.2018		

ATEmix calculated, dermal: 3667 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

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 .

FEYCOLOR°

Article No.:	115-504-2	FEYCOPOX Hardener 504
Print date:	21.11.2018	Revision date: 24.10.2018
Version:	2.8	Issue date: 11.10.2018

999998 EN Page 7 / 9

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

14.1. UN number

	UN 1263
UN proper shipping name Land transport (ADR/RID): Sea transport (IMDG): Air transport (ICAO-TI / IATA-DGR):	Paint related material PAINT RELATED MATERIAL Paint related material
Transport hazard class(es)	
	3
Packing group	
	III
Environmental hazards	
Land transport (ADR/RID)	not applicable
Marine pollutant	not applicable
	Sea transport (IMDG): Air transport (ICAO-TI / IATA-DGR): Transport hazard class(es) Packing group Environmental hazards Land transport (ADR/RID)

14.6. Special precautions for user



Article No.:	115-504-2	FEYCOPOX Hardener 504		and the second second
Print date:	21.11.2018	Revision date: 24.10.2018	999998 EN	
Version:	2.8	Issue date: 11.10.2018	Page 8 / 9	

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)

D/E Sondervorschrift 640E

Sea transport (IMDG)

tunnel restriction code

F-E, S-E

Air transport (ICAO-TI / IATA-DGR)

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

EmS-No.

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 VOC-value (in g/L): 484

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).

Other regulations, restrictions and prohibition regulations

15.2. Chemical Safety Assessment

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

EC No. Chemical name		REACH No.	
CAS No.			
215-535-7	Xylene	01-2119488216-32	
1330-20-7			
203-539-1	1-methoxy-2-propanol	01-2119457435-35	
107-98-2			
204-658-1	n-butyl acetate	01-2119485493-29	
123-86-4	-		

SECTION 16: Other information

Full text of classification	n in section 3:	
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 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.
STOT RE 2 / H373	Specific target organ toxicity (repeated exposure)	May cause damage to organs (or state all organs affected, if known) through prolonged or 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 / H226	Flammable liquids	Flammable liquid and vapour.
STOT SE 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.

Abbreviations and acronyms

ADR

Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

Article No.: Print date: Version:	115-504-2 21.11.2018 2.8	FEYCOPOX Hardener 504 Revision date: 24.10.2018 Issue date: 11.10.2018	999998 EN Page 9 / 9	FEICOLOK
AGW (WE CAS CLP CMR DNEL IATA-DGR ICAO-TI	Chen Class Carci Deriv Interr Interr	pational Exposure Limit Value nicals Abstract Service ification, Labelling and Packaging nogenic, Mutagenic and Reprotoxic ed No-Effect Level national Air Transport Association – Da national Civil Aviation Organization T s by Air	U	
IMDG Code PBT PNEC REACH RID	e Interr persis Predi Regis Règle	national Maritime Code for Dangerous stent, bioaccumulative, toxic cted No Effect Concentration stration, Evaluation, Authorisation and ement concernant le transport ir	Restriction of Chemicals hternational ferroviaire d	-
UN LC LD VOC vPvB	Unite Letha Letha Volat	ulations concerning the International C d Nations Il Concentration Il Dose ile Organic Compounds persistent and very bioaccumulative	amage of Dangerous Goo	us by Rail)

EEV() OD

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 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.