accord	ling to Regulation	(EU) 2015/	/830			FEVCOLOD
Article N Print da Version	te: 21.11.20	18 R	ELAFLOOR 3480 evision date: 24.10 ssue date: 11.10.20	0.2018	999998 EN Page 1 / 9	FEYCOLOR®
SECT	ION 1: Identificatio	on of the su	ubstance/mixtu	re and of the compar	ny/undertaking]
1.1. p	product identifiers					
	Article No. (manufactu dentification of the su			1-3480 RELAFLOOR 3480 2K gültig für alle Farbtöne Gew-MV: 8:1 mit Härter	RF fein	
1.2. F	Relevant identified u	ises of the s	substance or mix	ture and uses advised	against	
F	Relevant identified u Floor coating		tructions in associa	ited technical data sheet!	I	
	Details of the suppli					
r F N	manufacturer FEYCOLOR GmbH Maxhuettenstraße 6 93055 Regensburg			Telephone: 0049 (0)94 Telefax: 0049 (0)941/60 E-mail info@feycolor.co Website: www.feycolor.) 49 7-30 om	
[Dept. responsible fo Department for dange E-mail (competent pe	rous goods	on:	0049 (0)941/60 49 7-0 sd@feycolor.com		
1.4. E	Emergency telephon Emergency telephone	e number number		+49 (0) 700 24 11 21 12	2 (FCM)	
	Österreichische Vergi	-		+43 (0) 1406 43 43		
SECT	ION 2: Hazards ide	entification	l			
	Classification of the					
	Classification accore			272/2008 [CLP] regulation (EC) No 1272		
F	Flam. Liq. 3 / H226 Skin Sens. 1 / H317 Aquatic Chronic 3 / H4	Fla Re	ammable liquids espiratory or skin s azardous to the aq	sensitisation	Flammable liqu May cause an a	id and vapour. allergic skin reaction. atic life with long lasting effects.
	Label elements					
	Labelling according	to Regulation	on (EC) No. 1272/	2008 [CLP]		
r	Hazard pictograms					
•		War	ning			
+ + F F F F F F F F	Hazard statements H226 H317 H412 Precautionary statem P210 P233 P241 P261 P280 P303 + P361 + P353 P308 + P313 P403 + P235 P501 Hazard components	May cause Harmful to a nents Keep away Keep conta Use explosi Avoid breat Wear prote IF ON SKIN IF exposed Store in a w Dispose of for labelling	iner tightly closed. ion-proof electrical thing dust/fume/ga ctive gloves and e l (or hair): Take off or concerned: Get vell-ventilated plac contents/container	action. ng lasting effects. faces, sparks, open flam l equipment. s/mist/vapours/spray. ye/face protection. f immediately all contami t medical advice/attentio e. Keep cool. r to industrial incineratior	inated clothing.	nition sources. No smoking. Rinse skin with water [or shower].
			6-nentamethyl-4-n			

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

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			0	

Supplemental Hazard information (EU)

Contains epoxy constituents. May produce an allergic reaction.

EUH205 2.3. Other hazards

Description

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Product description / chemical characterization

Zusammensetzung aus Kunstharzen, Pigmenten und Lösemitteln

Hazardous ingredients

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No. CAS No. INDEX No.	REACH No. Chemical name classification // Remark	Wt %
204-658-1 123-86-4 607-025-00-1	01-2119485493-29 n-butyl acetate Flam. Lig. 3 H226 / STOT SE 3 H336	12,5 < 20
203-603-9 108-65-6 607-195-00-7	01-2119475791-29 2-methoxy-1-methylethyl acetate Flam. Liq. 3 H226	5 < 10
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Skin Sens. 1 H317	1 < 5
255-437-1 41556-26-7	01-2119491304-40 bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	0,5 < 1
280-060-4 82919-37-7	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	0,1 < 0,3

Additional information

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 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.

Most important symptoms and effects, both acute and delayed 4.2.

In all cases of doubt, or when symptoms persist, seek medical advice.

Indication of any immediate medical attention and special treatment needed 4.3. No special measures are necessary.

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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.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

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

2-methoxy-1-methylethyl acetate INDEX No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

WEL, TWA: 274 mg/m3; 50 ppm WEL, STEL: 548 mg/m3; 100 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.
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	98 °C
	Source: butan-2-ol
Flash point:	24 °C
Evaporation rate:	not applicable



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		bility (solid, gas): g time (s):		not applicable		
	Lower	ower flammability o explosion limit: explosion limit:	r explosive limits:	2,08 Vol-% 10,4 Vol-% Source: n-butyl ac	cetate	
	Vapour	pressure at20 °C:		1,9509 mbar		
	Vapour	density:		not applicable		
		density: at20 °C:		1,43 g/cm³		
	Solubilit Water s	:y(ies): olubility (g/L) at20 '	°C:	insoluble		
	Partition	o coefficient: n-octa	nol/water:	see section 12		
	Auto-ign	nition temperature:		315 °C		
	_				entrat Oxidgelb 110	
	-	osition temperatur	e:	not applicable		
	Viscosit	y at20 °C:		> 50 s 6 mm Method: DIN 5321	1	
	Explosiv	/e properties:		not applicable		
	Oxidisin	g properties:		not applicable		
9.2.	Other in	formation				
	Solid co	ntent (%):		78 Wt %		
	solvent Organi Water:	content: c solvents:		21,89 Wt % 0,00 Wt %		
	Solvent	separation test (%)	:	< 3 Wt % (ADR/RI	D)	
SEC	TION 10:	Stability and rea	ctivity			
10.1.	Reactivi No inforr	ty nation available.				
10.2.			commended regulat	ions for storage and	I handling. Further inform	nation on correct storage: refer to
10.3.		ity of hazardous re ay from strong acids		strong oxidizing age	ents to avoid exothermic	reactions.
10.4.	 Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions. 0.4. 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:

Acute toxicity

2-methoxy-1-methylethyl acetate dermal, LD50, Rabbit: > 5000 mg/kg inhalative (dust and mist), LC50, Rat: 35,7 mg/l (4 h) inhalative (vapours), LC50:, Rat: > 23,5 mg/kg (6 h)

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n-butyl acetate

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

skin corrosion/irritation; Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate Skin:

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

Specific target organ toxicity

n-butyl acetate

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

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

2-methoxy-1-methylethyl acetate

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 134 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 408 mg/l (48 h) Fish toxicity, LC50:: 161 mg/l (96 h)

Long-term Ecotoxicity

2-methoxy-1-methylethyl acetate Fish toxicity, NOEC, Oryzias latipes (Ricefish): 47,5 mg/l (14 d) Daphnia toxicity, NOEC, Daphnia magna (Big water flea): > 100 mg/l (21 h)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

2-methoxy-1-methylethyl acetate Partition coefficient: n-octanol/water: 1,2

Bioconcentration factor (BCF)

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment



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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

14.1.	UN number	
		UN 1263
14.2.	UN proper shipping name Land transport (ADR/RID): Sea transport (IMDG): Air transport (ICAO-TI / IATA-DGR):	Paint PAINT Paint
14.3.	Transport hazard class(es) Land transport (ADR/RID):	"No good according class 3" containers > 450 I = class 3
	Sea transport (IMDG) for packages < 30 litres: Air transport (ICAO-TI / IATA-DGR)	3 Transport in accordance with 2.3.2.5 of the IMDG Code 3
14.4.	Packing group	
		III
14.5.	Environmental hazards	
	Land transport (ADR/RID)	not applicable
	Marine pollutant	not applicable
14.6.	Special precautions for user	
	Transport always in closed, upright and safe con case of an accident or leakage. Advices on safe handling: see parts 6 - 8	tainers. Make sure that persons transporting the product know what to do in
	Further information	
	Land transport (ADR/RID)	
	tunnel restriction code	D/E
	Sea transport (IMDG)	
	EmS-No.	F-E, S-E
	Air transport (ICAO-TI / IATA-DGR)	
14.7.	Transport in bulk according to Annex II of Ma	rpol and the IBC Code
	not applicable	
SEC	TION 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): 313



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Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

VOC product category: (Cat. A/j) ; VOC limit value: 500 g/l

Maximum VOC content (g/L) of the product in a ready to use condition: 386

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. CAS No.	Chemical name	REACH No.
204-658-1 123-86-4	n-butyl acetate	01-2119485493-29
203-603-9 108-65-6	2-methoxy-1-methylethyl acetate	01-2119475791-29
255-437-1 41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	01-2119491304-40

SECTION 16: Other information

Full text of classification in section 3:

le liquid and vapour.
se drowsiness or dizziness.
skin irritation.
erious eye irritation.
se an allergic skin reaction.
c to aquatic organisms.
c to aquatic life with long lasting

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)
AGW (WEL)	Occupational Exposure Limit Value
CAS	Chemicals Abstract Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DNEL	Derived No-Effect Level
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous
	Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)
UN	United Nations
LC	Lethal Concentration
LD	Lethal Dose
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

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



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regarded as guaranteed attributes of the product.