Article Print o Versio	date:	90-650 21.11.2018 1.3	REDOCAR Revision date: 07.2 Issue date: 07.11.2		999998 EN	TERCOLOR
versio	JII.	1.5		.010	Page 1 / 9	
SEC	TION 1: Ide	entification of the	e substance/mixtu	re and of the com	pany/undertaking]
1.1.	product id	entifiers				
		(manufacturer/supp on of the substance		90-650 REDOCAR HS 650 VOC PE-Fi styrolreduziert, inkl		
1.2.	Relevant id	dentified uses of th	ne substance or mix	ture and uses advis	sed against	
		dentified uses: putty for repair of d	amaged surfaces or u	ineven surfaces		
1.3.	Details of t	the supplier of the	safety data sheet			
	manufactu FEYCOLOF Maxhuetter 93055 Reg	R GmbH nstraße 6		Telephone: 0049 (0 Telefax: 0049 (0)94 E-mail info@feycol Website: www.feyc	1/60 49 7-30 pr.com	
	• •	onsible for inform				
		t for dangerous goo npetent person)	ds	0049 (0)941/60 49 sd@feycolor.com	7-0	
1.4.	Emergency	y telephone number v telephone number sche Vergiftungsinfe		+49 (0) 700 24 11 2 +43 (0) 1406 43 43		
SEC	TION 2: Ha	zards identificat	ion			
2.1.	Classificat	ion of the substan	ce or mixture			
	Classificat	ion according to F	egulation (EC) No 1	272/2008 [CLP]		
	The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].					

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Flam, Lig. 2 / H225 Flammable liquids Highly flamm

Flam. Liq. 2 / H225	Flammable liquids	Hig
Skin Irrit. 2 / H315	skin corrosion/irritation	Ca
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Ca
Repr. 2 / H361	Reproductive toxicity	Su
STOT RE 2 / H373	Specific target organ toxicity (repeated	Ma
	exposure)	pro

Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

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2.2. Label elements

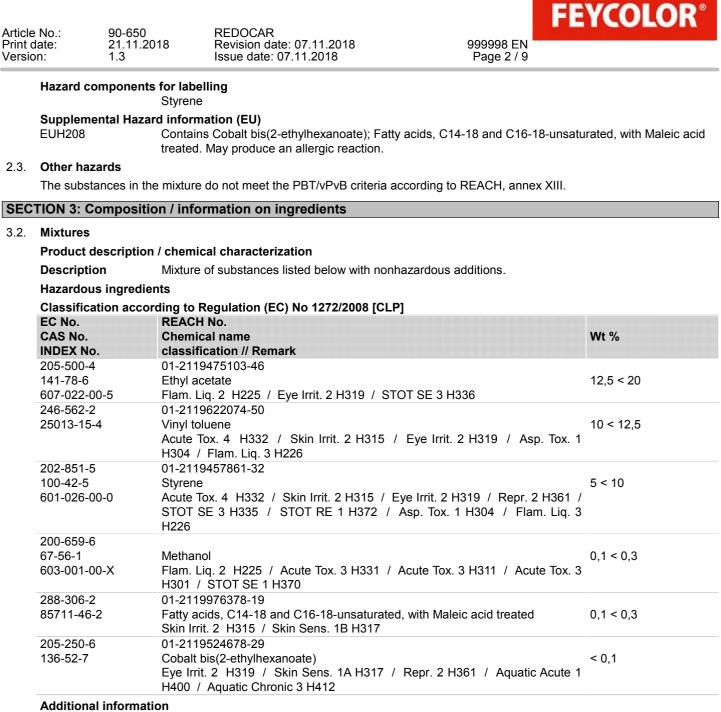
Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms



Danger

Hazard statements

nazara otatomonto	
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H361	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
Precautionary stater	nents
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and
	easy to do. Continue rinsing.
P405	Keep locked up.
P501	Dispose of contents/container to industrial incineration plant.



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



Article No.:	90-650	REDOCAR
Print date:	21.11.2018	Revision date: 07.11.2018
Version:	1.3	Issue date: 07.11.2018

999998 EN Page 3 / 9

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 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



Article No.:	90-650	REDOCAR		
Print date:	21.11.2018	Revision date: 07.11.2018	999998 EN	
Version:	1.3	Issue date: 07.11.2018	Page 4 / 9	

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:

Ethyl acetate

INDEX No. 607-022-00-5 / EC No. 205-500-4 / CAS No. 141-78-6 WEL, TWA: 730 mg/m3; 200 ppm WEL, STEL: 1460 mg/m3; 400 ppm

Vinyl toluene

EC No. 246-562-2 / CAS No. 25013-15-4

MEL/OES, TWA: 491 mg/m3; 100 ppm

MEL/OES, STEL: 736 mg/m3; 150 ppm

Styrene

INDEX No. 601-026-00-0 / EC No. 202-851-5 / CAS No. 100-42-5

WEL, TWA: 430 mg/m3; 100 ppm WEL, STEL: 1080 mg/m3; 250 ppm

WEL, STEL. 1080 mg/m3, 250 pj

Methanol

INDEX No. 603-001-00-X / EC No. 200-659-6 / CAS No. 67-56-1

WEL, TWA: 266 mg/m3; 200 ppm WEL, STEL: 333 mg/m3; 250 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.

Article No .:	90-650	REDOCAR		h
Print date: Version:	21.11.2018 1 3	Revision date: 07.11.2018 Issue date: 07.11.2018	999998 EN Page 5 / 9	
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SECTION 9: Physical and chemical properties

9.1.	Information on basic physical and chemical p Appearance:	roperties
	Physical state: Colour:	Liquid 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:	65 °C Source: Methanol
	Flash point:	-4 °C
	Evaporation rate:	not applicable
	Flammability (solid, gas): Burning time (s):	not applicable
	Upper/lower flammability or explosive limits:	
	Lower explosion limit: Upper explosion limit:	2,1 Vol-% 11,5 Vol-% Source: Methanol
	Vapour pressure at20 °C:	97 mbar
	Vapour density:	not applicable
	Relative density:	
	Density at20 °C:	1,44 g/cm³
	Solubility(ies):	
	Water solubility (g/L) at20 °C:	insoluble
	Partition coefficient: n-octanol/water:	see section 12
	Auto-ignition temperature:	460 °C
	Decomposition temperature:	not applicable
	Viscosity at °C:	pastös
	Explosive properties:	not applicable
	Oxidising properties:	not applicable
9.2.	Other information	
	Solid content (%):	69 Wt %
	solvent content:	
	Organic solvents: Water:	16,78 Wt % 0,00 Wt %
	Solvent separation test (%):	< 3 Wt % (ADR/RID)

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

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





Article No.:	90-650	REDOCAR	
Print date:	21.11.2018	Revision date: 07.11.2018	999998 EN
Version:	1.3	Issue date: 07.11.2018	Page 6 / 9

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

Acute toxicity

Styrene

oral, LD50, Rat: 2650 mg/kg dermal, LD50, Rat: > 2000 mg/kg inhalative (vapours), LC50, Rat: 12 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

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Styrene Germ cell mutagenicity Suspected of damaging the unborn child.

Specific target organ toxicity

Styrene

Specific target organ toxicity (repeated exposure): Causes damage to organs through prolonged or repeated exposure.

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

Toxicological data are not available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability No information available.

12.3. Bioaccumulative potential



Article No.:	90-650	REDOCAR
Print date:	21.11.2018	Revision date: 07.11.2018
Version:	1.3	Issue date: 07.11.2018

999998 EN Page 7 / 9

No information available.

Bioconcentration factor (BCF)

No information available.

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 3269
14.2.	UN proper shipping name Land transport (ADR/RID): Sea transport (IMDG): Air transport (ICAO-TI / IATA-DGR):	Polyester resin kit liquid base material POLYESTER RESIN KIT liquid base material Polyester resin kit liquid base material
14.3.	Transport hazard class(es)	
		3
14.4.	Packing group	П
14 5	Environmental hazards	11
14.5.	Land transport (ADR/RID)	not applicable
	Marine pollutant	not applicable
14.6	Special precautions for user	not applicable
11.0.		tainers. Make sure that persons transporting the product know what to do in
	Further information	
	Land transport (ADR/RID)	
	tunnel restriction code	E
	Sea transport (IMDG)	
	EmS-No.	F-E, S-D
	Air transport (ICAO-TI / IATA-DGR)	
14.7.	Transport in bulk according to Annex II of Ma not applicable	rpol and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Article No.:	90-650	REDOCAR
Print date:	21.11.2018	Revision date: 07.11.2018
Version:	1.3	Issue date: 07.11.2018

999998 EN Page 8 / 9 **FEYCOLOR®**

EU legislation

Directive 2010/75/EU on industrial emissions VOC-value (in g/L): 242

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.
205-500-4 141-78-6	Ethyl acetate	01-2119475103-46
246-562-2 25013-15-4	Vinyl toluene	01-2119622074-50
202-851-5 100-42-5	Styrene	01-2119457861-32
288-306-2 85711-46-2	Fatty acids, C14-18 and C16-18-unsaturated, with Maleic acid treated	01-2119976378-19
205-250-6 136-52-7	Cobalt bis(2-ethylhexanoate)	01-2119524678-29

SECTION 16: Other information

Full tand of all . 4 ! ~

Full text of classificati	ion in section 3:				
Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.			
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.			
STOT SE 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.			
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.			
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.			
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.			
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.			
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging the unborn child.			
STOT SE 3 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.			
STOT RE 1 / H372	Specific target organ toxicity (repeated exposure)	Causes damage to organs through prolonged or repeated exposure.			
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.			
Acute Tox. 3 / H311	Acute toxicity (dermal)	Toxic in contact with skin.			
Acute Tox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.			
STOT SE 1 / H370	Specific target organ toxicity (single exposure)	Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).			
Skin Sens. 1B / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.			
Skin Sens. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.			
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).			
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.			
Aquatic Chronic 3 / H41	2 Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.			
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					

AGW (WEL)

CAS **Chemicals Abstract Service**

CLP Classification, Labelling and Packaging

Article No.: Print date: Version:	90-650 21.11.2018 1.3	REDOCAR Revision date: 07.11.2018 Issue date: 07.11.2018	999998 EN Page 9 / 9	FEICOLOK		
CMR DNEL IATA-DGR ICAO-TI	Derived Internat	ogenic, Mutagenic and Reprotoxic I No-Effect Level tional Air Transport Association – Da tional Civil Aviation Organization T by Air				
IMDG Code PBT PNEC REACH	e Internat persiste Predicte	International Maritime Code for Dangerous Goods persistent, bioaccumulative, toxic Predicted No Effect Concentration Registration, Evaluation, Authorisation and Restriction of Chemicals				
RID UN LC LD VOC vPvB	(Regula United Lethal (Lethal I Volatile	ent concernant le transport ir ations concerning the International C Nations Concentration Dose Organic Compounds rsistent and very bioaccumulative				

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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.