

**Safety Data Sheet**

according to 2001/58/EC

**VULKAFIX KLEBER 220 I**

Print date : 13.12.2006

Product code : 7520

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**1. Identification of the substance/preparation and of the company/undertaking****1.1 Identification of the substance or preparation**

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**Use of the substance/preparation**

Adhesive

**1.2 Company/undertaking identification**

Company name : RUDOL-FABRIK Hermann Hagemeyer

Street : Sürther Str. 172

Place : D-50321 Brühl

Post-office box : 17 04

D-50307 Brühl

Contact person : Klaus Markus

Telephone : 02232-94592-0

Telefax : 02232-945929

Inquiry office : Labor

Emergency telephone : 02232-945920

**2. Composition/information on ingredients**

**Chemical characterization** ( preparation )  
 adhesive of poly urethane

**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-662-2	67-64-1	Aceton	55.65%	F, Xi R11-36-66-67
205-500-4	141-78-6	Ethylacetat	15-25%	F, Xi R11-36-66-67

Full text of each relevant R phrase can be found in heading 16.

**3. Hazards identification****Classification**

Symbols : Highly flammable, Irritant

R-phrases :

Highly flammable.

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

**Explication of special hazards for human health and environment**

In use, may form flammable/explosive vapour-air mixture.

**4. First aid measures****After inhalation**

Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

**After contact with skin**

Wash off immediately with soap and plenty of water.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**After ingestion**

Do NOT induce vomiting. Consult a physician.

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**5. Fire-fighting measures****Suitable extinguishing media**

Dry chemical Carbon dioxide (CO<sub>2</sub>) Extinguishing media - large fires Water spray mist or foam. In the event of fire and/or explosion do not breathe fumes.

**Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

**Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases**

Using the product may be accompanied by the formation of explosive/highly inflammable vapour-air-mixtures. Use water spray to cool unopened containers.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**6. Accidental release measures****Personal precautions**

Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Additional information**

Remove all sources of ignition.

**7. Handling and storage****7.1 Handling****Advice on safe handling**

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

**Advice on protection against fire and explosion**

Keep away from heat and sources of ignition.

**Further information on handling**

Provide sufficient air exchange and/or exhaust in work rooms. Do not smoke.

**7.2 Storage****Requirements for storage rooms and vessels**

Keep container tightly closed in a dry and well-ventilated place.

**8. Exposure controls/personal protection****8.1 Exposure limit values****Exposure limits (EH40)**

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

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**BAT values (TRGS 903)**

CAS No.	Substance	Value	Parameter	Test material	Sampling time
67-64-1	Aceton	80 mg/l	Aceton	U	b

**8.2 Exposure controls****Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Avoid contact with the skin and the eyes. Remove and wash contaminated clothing before re-use.

Wash hands before breaks and at the end of workday.

**Respiratory protection**

Ensure adequate ventilation, especially in confined areas. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**Eye protection**

Tightly fitting safety goggles

**9. Physical and chemical properties****9.1 General information**

Physical state :	liquid
Colour :	off-white translucent
Odour :	solvent

**9.2 Important health, safety and environmental information**

Test method

**Changes in the physical state**

Boiling point :	66 °C
Flash point :	- 7 °C
Lower explosion limits :	2,2 vol. %
Upper explosion limits :	12,8 vol. %
Vapour pressure :	120 hPa
(at 20 °C)	
Density (at 20 °C) :	0,93 g/cm <sup>3</sup>
Water solubility :	partly soluble
(at 20 °C)	
Solubility in other solvents :	ester, ketone
Viscosity / dynamic :	5000 mPa·s
(at 20 °C)	

**Solvent content**

80%

**9.3 Other information**

Ignition temperature :	>200 °C
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**10. Stability and reactivity****Conditions to avoid**

Risk of decomposition.:

No decomposition if used as directed.

**Hazardous decomposition products**

No dangerous reaction known under conditions of normal use.

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**Additional information**

No decomposition if stored normally.

**11. Toxicological information****Specific effects in experiment on an animal**

Eye/rabbit = Mild eye irritation

**Sensitising effects**

Sensitization: no sensitizing effect known.

**12. Ecological information****Ecotoxicity**

Do not allow to escape into waters, wastewater or soil.

**Mobility**

The product evaporates readily.

**13. Disposal considerations****Advice on disposal**

Can be incinerated, when in compliance with local regulations.

**Waste disposal number of waste from residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

**Contaminated packaging**

Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled.

**14. Transport information****Land transport (ADR/RID)**

ADR/RID class : 3  
Warning plate  
Hazard-no. : 33  
UN number : 1133  
Hazard label : 3  
ADR/RID packing group : III

**Description of the goods**

adhesive

**Remarks (land transport)**

Sondervorschrift 640H

**Inland waterways transport**

ADN/ADNR class : 3  
Category : F1  
UN number : 1133

**Description of the goods**

Klebstoffe

**Remarks (inland waterways transport)**

Sondervorschrift 640H

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**Marine transport**

IMDG code :	3
UN number :	1133
Marine pollutant :	-
EmS :	F-E, S-D
IMDG packing group :	III
Hazard label :	3

**Description of the goods**

adhesive

**Air transport**

ICAO/IATA-DGR :	3	
UN/ID number :	1133	
Hazard label :	3	
IATA-packing instructions - Passenger :		309
IATA-max. quantity - Passenger :		60 L
IATA-packing instructions - Cargo :		310
IATA-max. quantity - Cargo :		220 L
ICAO packing group :	III	

**Description of the goods**

Adhesives

**15. Regulatory information****15.1 Labelling**

Indication of danger : F - Highly flammable; Xi - Irritant

Labelling according to EC-guidelines : Labelling in accordance with the EEC directives:

**R phrases**

11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

**S phrases**

09	Keep container in a well-ventilated place.
16	Keep away from sources of ignition - No smoking.
23	Do not breathe .... (gas/fumes/vapour/spray, appropriate wording to be specified by the manufacturer)
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
33	Take precautionary measures against static discharges.

**15.2 National regulations**

Water contaminating class :	1 - slightly water contaminating
1999/13/EC (VOC) :	80%

**16. Other information****List of relevant R phrases**

11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

**Other data**

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The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.