

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

VULKAFIX KLEBER 220 Type 7519

DATE :

(MSDS date)

23.01.2019

**1. Manufacturer/Supplier :**

PPS Industries Limited  
86 Hugo Johnston Drive, Auckland  
New Zealand  
P.O.Box 12823, Penrose, Auckland 1642  
Phone : 64 9 579-1001  
Facsimile : 64 9 579-9497  
Emergency Phone : 0800 657-894  
Website: www.ppsindustries.co.nz

**Emergency Information :**

National Poison Centre 0800 764-766  
Chemcall 24/7 Emergency Response Service : 0800 243-622

**13. Disposal Considerations :**

**Product**

Recommendation - Consult local or national regulations to ensure proper disposal.

**Packaging**

Disposal must be made according to official regulations.

**16. Other Information :**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

VULKAFIX KLEBER 220 Type 7519

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Adhesive, Professional use

#### 1.3. Details of the supplier of the safety data sheet

Company name: RUDOL-FABRIK Hermann Hagemeyer

Street: Sürther Str. 172

Place: D-50321 Brühl

Post-office box: 17 04

D-50307 Brühl

Telephone: 02232-94592-0

Telefax: 02232-945929

Contact person: Klaus Markus

Responsible Department: Labor

#### 1.4. Emergency telephone

number:

02232-945920

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



##### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

##### Precautionary statements

P403+P235 Store in a well-ventilated place. Keep cool.

P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

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- or shower.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P243 Take action to prevent static discharges.
- P240 Ground and bond container and receiving equipment.
- P233 Keep container tightly closed.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

### Additional advice on labelling

Labelling in accordance with the EEC directives:

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
67-64-1	Aceton			36-47%
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
141-78-6	Ethylacetat			22-36%
	205-500-4	607-022-00-5		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
78-93-3	Butanon (vgl. Ethylmethyleketon)			6-10%
	201-159-0	606-002-00-3		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Move out of dangerous area.

#### After inhalation

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

#### After contact with skin

Take off contaminated clothing and shoes immediately. 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.

Consult a physician.

#### After ingestion

Do NOT induce vomiting. Consult a physician.

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

nausea

### 4.3. Indication of any immediate medical attention and special treatment needed

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In case of shortness of breath, give oxygen.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam, Water spray, Water mist, ABC powder

##### Unsuitable extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

Using the product may be accompanied by the formation of explosive/highly flammable vapour-air-mixtures.

Use water spray to cool unopened containers.

#### 5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Additional information

Use water spray to cool unopened containers.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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

#### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

#### 6.3. Methods and material for containment and cleaning up

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

#### 6.4. Reference to other sections

Remove all sources of ignition.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

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

Provide exhaust ventilation close to floor level. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

##### Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Do not smoke.

##### Further information on handling

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

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Storage temperature: 10-30°C. Keep container tightly closed in a dry and well-ventilated place.

##### Hints on joint storage

Application, curing, drying of varnish, paint, finishes, adhesives, coverings etc.

##### Further information on storage conditions

Protect from frost, heat and sunlight.

#### 7.3. Specific end use(s)

Application, curing, drying of varnish, paint, finishes, adhesives, coverings etc.

### SECTION 8: Exposure controls/personal protection

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#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

##### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift

#### 8.2. Exposure controls

##### Appropriate engineering 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.

##### Eye/face protection

Tightly fitting safety goggles

##### 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.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

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

##### Changes in the physical state

Initial boiling point and boiling range: 62 °C

Flash point: - 11 °C

Lower explosion limits: 2,1 vol. %

Upper explosion limits: 12,5 vol. %

Ignition temperature: >250 °C

Vapour pressure: 160 hPa  
 (at 20 °C)

Vapour pressure: 790 hPa

Density (at 20 °C): 0,89 g/cm³

##### Solubility in other solvents

ester, ketone

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Viscosity / dynamic:  
(at 20 °C)

4000 mPa·s

Solvent content:

78%

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Vapors may ignite and explode.

#### 10.4. Conditions to avoid

Risk of decomposition.:

No decomposition if used as directed.

#### 10.5. Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.6. Hazardous decomposition products

Heating can release hazardous gases.

#### Further information

No decomposition if stored normally.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Health injuries are not known or expected under normal use.

CAS No.	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-64-1	Aceton				
	oral	LD50 5800 mg/kg	Rat	RTECS	
	dermal	LD50 20000 mg/kg	Rabbit	IUCLID	
	inhalation (4 h) vapour	LC50 76 mg/l	Rat		

##### Irritation and corrosivity

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons. May cause skin and eye irritation in susceptible persons.

##### Sensitising effects

Sensitization: no sensitizing effect known.

##### Carcinogenic/mutagenic/toxic effects for reproduction

No data is available on the product itself.

##### STOT-repeated exposure

Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.

### SECTION 12: Ecological information

#### 12.1. Toxicity

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Do not allow to escape into waters, wastewater or soil. The product is insoluble and floats on water.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
67-64-1	Aceton					
	Acute fish toxicity	LC50 mg/l	5540	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50 mg/l	6100	48 h	Daphnia magna	

**12.2. Persistence and degradability**

Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

**12.3. Bioaccumulative potential**

No data is available on the product itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-64-1	Aceton	-0,24

**12.4. Mobility in soil**

No data is available on the product itself.

**12.6. Other adverse effects**

No data is available on the product itself.

**Further information**

Environmental fate information is derived from consideration of the properties of the ingredients.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Can be incinerated, when in compliance with local regulations.

**List of Wastes Code - 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 hazardous substances; hazardous waste

**Contaminated packaging**

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

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	UN 1133
<b>14.2. UN proper shipping name:</b>	adhesive
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Classification code:	F1
Special Provisions:	640E
Limited quantity:	5 L

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Transport category: 3  
 Hazard No: 33  
 Tunnel restriction code: D/E

**Other applicable information (land transport)**

Freigestellte Menge: E1

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 33  
 Classification code: F1  
 Special Provisions: 640E  
 Limited quantity: 5 L

**Other applicable information (inland waterways transport)**

Freigestellte Menge: E1

**Marine transport (IMDG)**

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3  
 Marine pollutant: no  
 Special Provisions: 223, 955  
 Limited quantity: 5 L  
 EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3  
 Special Provisions: A3  
 Limited quantity Passenger: 10 L  
 IATA-packing instructions - Passenger: 355  
 IATA-max. quantity - Passenger: 60 L  
 IATA-packing instructions - Cargo: 366  
 IATA-max. quantity - Cargo: 220 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 78%

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating



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**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

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.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*