

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

PFERD ABR.SPIRAL BANDS ZIRCONIA ALUMINA Z TYPE

DATE :

(MSDS date)

29.06.2020

**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.



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS

**PFERD**



Reference/Productname:

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**VOLUNTARY PRODUCT INFORMATION BASED ON THE FORMAT OF A SAFETY DATA SHEET FOR COATED  
ABRASIVES**

**1. Identification of the product and of the company/undertaking**

**1.1 Product identifier**

FEPA - 3.2

ABR.SPIRAL BANDS ZIRCONIA ALUMINA Z TYPE

**1.2 Use of the product**

COATED ABRASIVES FOR GRINDING VARIOUS MATERIALS.

**1.3 Details of the supplier of the voluntary product information:**

Company: August Rüggeberg GmbH & Co. KG PFERD-Tools

Address: Hauptstraße 13  
D-51709 Marienheide

Phone: +49(0)2264/9-0 Fax: +49(0)2264/9-400

E-mail: info@pferd.com

**1.4 Emergency telephone number:**

+49 (0)2264-9-0 (08:00 - 16:00 Uhr, GMT)

**2. Hazards identification**

**2.1 Classification**

Not applicable.

Abrasives are articles and not dangerous substances or mixtures according to Regulation (EC) N° 1272/2008.

See also section 8 and 16.

**2.2 Label elements**

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to Regulation (EC) N° 1272/2008.

**2.3 Other hazards**

Not known.



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### 3. Composition/information on ingredients

The product contains the following ingredients which are classified according to Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	ECHA ECN	CASN	ECHA REACH Registration N	Concentration	Classification according to Regulation (EC) Nr. 1272/2008 (CLP)	
					Hazard classes/hazard categories	Hazard statements
Cryolite	237-410-6	13775-53-6; 15096-52-3	01- 2119511565- 43-xxxx	0.0 - 15.0	Acute Tox. 4 Acute Tox. 4 STOT RE 1 Aquatic Chronic 2	H302 H332 H372 H411

(For full text of H- and R-phrases see section 16.)

### 4. First aid measures

See also section 8 and 16.

#### 4.1 Description of first aid measures

Inhalation: Not possible, due to the form of the product.  
 Eye contact: Not possible, due to the form of the product.  
 Skin contact: No harmful effects known.  
 Ingestion: Not likely, due to the form of the product; if necessary contact physician.  
 Note to physician: Not available.

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

Not known.

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

Not relevant. Treat symptomatically.

### 5. Fire fighting measures

#### 5.1 Extinguishing media

Extinguishing media: water, foam, sand, powder or CO2 as appropriate for surrounding materials.

#### 5.2 Special hazards arising from the product

Toxic fumes may occur. Use respiratory protective equipment.

#### 5.3 Advice for fire fighters

Extinguishing materials should be selected according to the surrounding area.

### 6. Accidental release measures

Not applicable.

### 7. Handling and storage

Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.



## 8. Exposure controls/personal protection

### 8.1 Control parameters

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

#### Occupational exposure limit values and/or biological limit values

Keep exposure to the following components under surveillance.  
(Observe also the regional official regulations)

Limit value type (country of origin)	Substance	CAS-N°	Occupational limit value		Peak limit	Source/remark
			Long term	Short term		
OEL (IE)	dust - general, not otherwise specified or classified		4 A mg/m <sup>3</sup> , 10 E mg/m <sup>3</sup>			
OEL (HU)	dust - general, not otherwise specified or classified		6 A mg/m <sup>3</sup> , 10 E mg/m <sup>3</sup>			
VLEP/GWBB (BE)	dust - general, not otherwise specified or classified		3 A mg/m <sup>3</sup> , 10 E mg/m <sup>3</sup>			
MAK (AT)	dust - general, not otherwise specified or classified		5 A mg/m <sup>3</sup> , 10 E mg/m <sup>3</sup>	10 A mg/m <sup>3</sup> , 20 E mg/m <sup>3</sup>		GKV 2011
OEL (SE)	dust - general, not otherwise specified or classified		5 A mg/m <sup>3</sup> ; 10 E mg/m <sup>3</sup>			
VLA (ES)	dust - general, not otherwise specified or classified		3 A mg/m <sup>3</sup> ; 10 E mg/m <sup>3</sup>			
OEL (FR)	dust - general, not otherwise specified or classified		5 A mg/m <sup>3</sup> ; 10 E mg/m <sup>3</sup>			
OEL (DK)	dust - general, not otherwise specified or classified		10 E mg/m <sup>3</sup>	20 E mg/m <sup>3</sup>		
AGW (DE)	dust - general, not otherwise specified or classified		1,25 A mg/m <sup>3</sup> ; 10 E mg/m <sup>3</sup>		2(II)	TRGS 900
OEL (LV)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			
OEL (IE)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			
WEL (GB)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			
VLEP/GWBB (BE)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			
VLA (ES)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			
OEL (SE)	Cryolite	13775-53-6; 15096-52-3	2 mg/m <sup>3</sup> (as F)			



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Limit value type (country, article)	Substance	CAS-Nr.	Occupational limit value		Peak limit	Source/remark
			Long term	Short term		
OEL (PL)	Cryolite	13775-53-6; 15096-52-3	1 mg/m <sup>3</sup> (as F)	3 mg/m <sup>3</sup> (as F)		
OEL (IT)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			
OEL (HU)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)	10 mg/m <sup>3</sup> (as F)		
OEL (FR)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			
OEL (DK)	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)	5 mg/m <sup>3</sup> (as F)		
MAK (AT)	Cryolite	13775-53-6; 15096-52-3	2,5 E mg/m <sup>3</sup> (as F)	12,5 E mg/m <sup>3</sup> (as F), 30 (miw) min, 2x		GKV 2011
EU	Cryolite	13775-53-6; 15096-52-3	2,5 mg/m <sup>3</sup> (as F)			2000/39/EC
AGW (DE)	Cryolite	13775-53-6; 15096-52-3	1 E mg/m <sup>3</sup> (as F)		4(II)	TRGS 900; Y, H

A = respirable fraction; E = inhalable fraction

Note: Hazardous dust of the workpiece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

Limit value type (country, article)	Substance	CAS-Nr.	Parameter	BGW (biological limit value)	Analysis material	Sampling time	Source/remark
BGW (DE)	Cryolite	13775-53-6; 15096-52-3	Fluoride	4,0 mg/g Creatinine	U	d	TRGS 303
BGW (DE)	Cryolite	13775-53-6; 15096-52-3	Fluoride	7,0 mg/g Creatinine	U	b	TRGS 303

## 8.2 Exposure controls

### 8.2.1. Individual protection measures

- 8.2.1.1. Respiratory protection: Use respiratory protective equipment (type depends on specific application and material being ground)
- 8.2.1.2. Hand protection: Wear protective gloves (type depends on specific application and material being ground)
- 8.2.1.3. Eye protection: Wear protective goggles or face shield (type depends on specific application and material being ground)
- 8.2.1.4. Hearing protection: Use hearing protection (type depends on specific application and material being ground)
- 8.2.1.5. Body protection: Use protective clothing (type depends on specific application and material being ground)



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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

9.1.1	Physical state:	solid
9.1.2	Colour:	different
9.1.3	Solubility in water:	not determined

### 9.2 Other information

none

## 10. Stability and reactivity

### 10.1 Reactivity

Coated abrasives are stable when handled or stored correctly.

### 10.2 Chemical stability

No decomposition in normal use.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

Coated Abrasives are stable when handled or stored correctly.

### 10.5 Incompatible materials

No dangerous reactions known.

### 10.6 Hazardous decomposition products

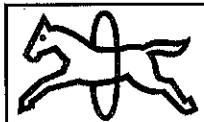
At temperatures exceeding 250 °C hazardous or toxic decomposition products may be generated.

## 11. Toxicological information

### 11.1 Information on toxicological effects

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.

See also section 8.

**12. Ecological information****12.1 Toxicity**

No effects known.

**12.2 Persistence and degradability**

No biodegradable potentials known.

**12.3 Bioaccumulative potential**

No potentials known.

**12.4 Mobility in soil**

No potentials known.

**12.5 Results of PBT and vPvB assessment**

Not relevant.

**12.6 Other adverse effects**

No effects known.

**13. Disposal considerations****13.1 Waste treatment methods****13.1.1 Product**

Follow national and regional regulations.

<input type="checkbox"/>
<input checked="" type="checkbox"/>

Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives (EWC - No. 120121).

Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC - No. 120120).

**13.1.2. Packing**

Follow national and regional regulations.

**14. Transport information**

The product is not covered by international regulation on the transport of dangerous goods.

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the product**

No specific labelling requirements under respective EC directives.

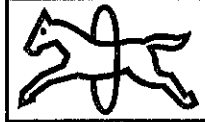
**15.2 Chemical safety assessment**

Not relevant.



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## 16. Other information

### Changes to the previous versions

See sections 1 to 16.

### Literature and data sources

### Regulations

REACH Regulation (EC) Nr. 1907/2006

Regulation (EC) N° 1272/2008

Directive 98/24/EC

Directive 2000/39/EC

Directive 75/324/EEC

Decision 2000/532/EC

Transport regulations according to ADR, RID und IATA.

### Hazard statements referred to in section 2 and 3

#### According to Regulation (EC) N° 1272/2008:

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H372 Causes damage to organs <lungs and skeleton> through prolonged or repeated exposure <inhalation and oral>.

H411 Toxic to aquatic life with long lasting effects.

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.

Issued by: Sales

Contact: +49(0)2264/9-0



# August Rüggeberg GmbH & Co. KG

## Declaration of Conformity

QMF-No.: 12668  
Version: 08  
Sign: 8-PW  
Cert.-No.: 20062501  
Date: 25.06.2020  
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### Supplier's declaration of conformity (in accordance with ISO/IEC 17050-1)

#### Objects of declaration

Abrasive spiral bands  
[PFERD - types GSB, KSB with all abrasive types are included]

The objects of declaration described above are in conformity with the requirements of the following document:

Document-No.	Title	Edition/Date of issue
ISO 2421 : 2003(E)	Coated abrasives — Cylindrical sleeves	2003-03

#### Additional information

The objects of declaration have been designed, manufactured and tested in accordance with the above mentioned standard. We confirm that the required verification methods

Verification of the dimensional requirements [ISO 2421; 3]

have been carried out. These are detailed as follows:

Dimensional limitations [ISO 2421; 3 & Table 1 & 2]

Marienheide, 25.06.2020

Place and date of issuance

Peter Walder  
Research & Development

Name, function



Signature