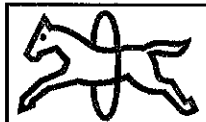




FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS

PFERD



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Voluntary product information based on the format of a safety data sheet for organic bonded abrasives

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

1.1 Product identifier

FEPA - 1.2
GRINDING WHEEL E 115-7 PSF STEELOX
62011640

1.2 Use of the product

Organic bonded abrasives for grinding/cutting of 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.

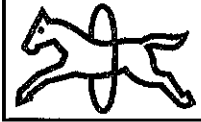
2.3 Other hazards

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	EC-N°	CAS-N°	REACH Registration N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
					Hazard classes/ hazard categories	Hazard statements
Potassium aluminium fluoride	262-153-1; 701-200-7	60304-36-1; -	01- 2119513404- 51-xxxx	6.5 - 10.5	Acute Tox. 4 Eye Irrit. 2 Lact. STOT RE 1 Aquatic Chronic 3	H332 H319 H362 H372 H412

(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 standard)	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 ³ , 10 E mg/m ³			
OEL (HU)	dust - general, not otherwise specified or classified		6 A mg/m ³ , 10 E mg/m ³			
VLEP/GWBB (BE)	dust - general, not otherwise specified or classified		3 A mg/m ³ , 10 E mg/m ³			
MAK (AT)	dust - general, not otherwise specified or classified		5 A mg/m ³ , 10 E mg/m ³	10 A mg/m ³ , 20 E mg/m ³		GKV 2011
OEL (SE)	dust - general, not otherwise specified or classified		5 A mg/m ³ ; 10 E mg/m ³			
VLA (ES)	dust - general, not otherwise specified or classified		3 A mg/m ³ ; 10 E mg/m ³			
OEL (FR)	dust - general, not otherwise specified or classified		5 A mg/m ³ ; 10 E mg/m ³			
OEL (DK)	dust - general, not otherwise specified or classified		10 E mg/m ³	20 E mg/m ³		
AGW (DE)	dust - general, not otherwise specified or classified		1,25 A mg/m ³ ; 10 E mg/m ³		2(II)	TRGS 900
OEL (SE)	Potassium aluminium fluoride	60304-36-1; -	0,4 mg/m ³			
OEL (LV)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			
OEL (IE)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			
WEL (GB)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			
VLEP/GWBB (BE)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			
VLA (ES)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			



Limit value type (country of origin)	Substance	CAS-N°	Occupational limit value		Peak limit	Source, remark
			Long term	Short term		
OEL (PL)	Potassium aluminium fluoride	60304-36-1; -	1 mg/m ³ (as F)	3 mg/m ³ (as F)		
OEL (IT)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			
OEL (HU)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)	10 mg/m ³ (as F)		
OEL (FR)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			
OEL (DK)	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)	5 mg/m ³ (as F)		
MAK (AT)	Potassium aluminium fluoride	60304-36-1; -	2,5 E mg/m ³ (as F)	12,5 E mg/m ³ (as F), 30 (miw) min, 2x		GKV 2011
EU	Potassium aluminium fluoride	60304-36-1; -	2,5 mg/m ³ (as F)			2000/39/EC
AGW (DE)	Potassium aluminium fluoride	60304-36-1; -	1 E mg/m ³ (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 of origin)	Substance	CAS-N°	Parameter	BGW (biological limit value)	Analysis material	Sampling time	Source, remark
BGW (DE)	Potassium aluminium fluoride	60304-36-1; -	Fluoride	4,0 mg/g Creatinine	U	d	TRGS 303
BGW (DE)	Potassium aluminium fluoride	60304-36-1; -	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

Bonded abrasives are stable when handled or stored correctly.

10.2 Chemical stability

Non si verificano reazioni di decomposizione in condizioni di normale utilizzo.

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.



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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:

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H362 May cause harm to breast-fed children.

H372 Causes damage to organs through prolonged or repeated exposure. Target Organs: Respiratory tract, Skeleton

H412 Harmful 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