

POTASSIUM FLUOROBORATE (KBF₄)

General Inquiries

North & South America

Tel: 1-800-828-1666

Europe

Tel: +44(0)161-848-0271

info@washingtomills.com

www.washingtomills.com

Washington Mills

North Grafton, Inc.

P.O Box 428

20 North Main Street

North Grafton, MA 01536

Tel: 508-839-6511

Fax: 508-839-7675

Email: info@washingtomills.com

Washington Mills

Electro Minerals Corp.

P.O Box 423

1801 Buffalo Avenue

Niagara Falls, NY 14302

Tel: 716-278-6600

Fax: 716-278-6650

Email: info@washingtomills.com

Washington Mills

Electro Minerals Corp.

P.O Box 1002

7780 Stanley Avenue

Niagara Falls, Ontario L2E 6V9 Canada

Email: info@washingtomills.com

Washington Mills

Tonawanda, Inc.

1000 E. Niagara Street

Tonawanda, NY 14150

Email: info@washingtomills.com

Washington Mills

Electro Minerals Ltd.

Mosley Road, Trafford Park

Manchester M17 1NR England

Email: info@washingtomills.com

Washington Mills Hennepin, Inc.

13230 Prairie Industrial Parkway

Hennepin, IL 61327

Email: info@washingtomills.com

Washington Mills AS

NO-7300

Orkanger, Norway

Email: wmas@washingtomills.no

DESCRIPTION

POTASSIUM FLUOROBORATE, distributed by Washington Mills, is used as an active filler in grinding wheels.

APPLICATIONS

BONDED ABRASIVES – active filler in resin bonded grinding wheels for metal treatment

CHEMICAL INDUSTRY – electrolytic representation of Boron

CERAMICS – for preparation of glazing frits

PRODUCTION OF SOLDERING AGENTS – component of fluxing agents for soldering and brazing

ALUMINUM-METALLURGY – component of fluxing and grain refining agents for aluminum and magnesium; component of protecting salts for light metal castings

TYPICAL CHEMICAL ANALYSIS

KBF ₄	98 – 99%
Fe ₂ O ₃	max. 0.0100%
SO ₄	max. 0.0200%
SiO ₂	max. 0.4000%
Cl	max. 0.1000%
Pb	max. 0.0005%
H ₂ O (110°C)	max. 0.0500%

SAFETY REMARKS

Consult appropriate MSDS.
Avoid inhalation

TYPICAL PHYSICAL PROPERTIES

Appearance	White powder
Density (20°C)	2.5 g/cm ³
Bulk Density	800 - 1400 g / l
Melting Point / Decomposition	530° C
Solubility in water (20°C)	4.4 g / l
pH Value	3 - 5
Molecular Weight	125.91

TYPICAL PARTICLE SIZE DISTRIBUTION

< 150 μm approx.	99.5%
< 63 μm	95 – 99%
< 45 μm	85 – 95%
< 24 μm	50 – 80%
< 12 μm	20 – 60%

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.