

**Short description of all Identified Uses with their use descriptors and life cycle stage for Potassium Tetrafluoroborate (EINECS 237-928-2)**

Number (IU)	Short description of Identified Use	Product Category (PC)	Life Cycle Stage(s) covered by the IU					Sector of use (SU)	Process Category (Proc)	Article Category (AC)	Environmental Release Category (ERC)	
			Manufacture	Formulation	End Use							Service Life (for article)
					Industrial	Professional	Consumer					
<b>ES1: Manufacturing</b>												
M1	KBF4 production in aqueous batch processing	1)	X					SU3/SU08	PROC2, PROC3	1)	ERC01	
M2	Packaging of finished product (small units, i.e. 25 kg bags)	1)	X					SU3/SU08	PROC9	1)	ERC01	
M3	Packaging of finished product (big units, i.e. 1000 kg flexible containers)	1)	X					SU3/SU08	PROC8a	1)	ERC01	
M4	Handling of KBF4 reaction product	1)	X					SU3/SU08	PROC8b	1)	ERC01	
<b>ES2: Formulation / Mixing</b>												
IU1	Formulating/preparing preparations containing KBF4 for downstream processes aimed at: - production of abrasive appliances; - Production of welding rods - Manufacture of sanding paper. - Metal surface treatment - Production of fluxes	1)		X				SU3/SU10	PROC2 PROC3 PROC5	1)	ERC02	
IU2	Pressing to form alloying compact	1)		X				SU3/SU10	PROC14	1)	ERC03	
IU3	Transferring preparations containing KBF4 into packaging forms suitable for downstream processing.	1)		X				SU3/SU10	PROC9	1)	ERC02	
<b>ES3: Production of articles</b>												
IU4	Production of welding rods. Spraying for surface coating	1)			X			SU3	PROC7	1)	ERC05	
IU5	Production of welding rods. Immersion operations	1)			X			SU3	PROC13	1)	ERC05	
IU6	Production of welding rods. Low energy spreading	1)			X			SU3	PROC10	1)	ERC05	
IU7	Production of welding rods. Preparation of electrode tip	1)			X			SU3	PROC 21	1)	ERC05	
IU8	Production of - Abrasive appliances (e.g. grinding wheels, cutting disks).	1)			X			SU3	PROC14	1)	ERC05	
IU9	Production of - sanding paper	1)			X			SU3	PROC10	1)	ERC05	
<b>ES4: End-uses of articles in industry</b>												
IU10	Use of cutting and grinding applications, e.g. the use of grinding wheels, cutting disks.	1)			X		X	SU3	PROC24	AC2	ERC12b	
IU11	Welding, outdoor, open processing	1)			X		X	SU3	PROC25	TARIC 8311000000	ERC10b	

- 1) In this life cycle step the product/article category is not yet relevant.
- 2) This industrial use will be described and it will be motivated that exposure is likely to be non-significant.
- 3) PROC26 does not have a corresponding TRA entry. For the exposure scenario it will be replaced by PROC5.
- 4) ES<sub>n</sub>: Exposure Scenario = grouping of identified uses for an application of the substance (pure or in mixture)

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					Industrial	Professional	Consumer					
IU12	Welding, indoor, open processing	1)			X			X	SU3	PROC25	TARIC 8311000000	ERC11b
IU13	Welding, outdoor, closed processing	1)			X			X	SU3	PROC2	TARIC 8311000000	ERC10b
IU14	Welding, indoor, closed processing	1)			X			X	SU3	PROC2	TARIC 8311000000	ERC11b
IU15	Sanding of metal surfaces	1)			X			X	SU3	PROC24	TARIC 6805000000	ERC12a
<b>ES5: Production of aluminium alloys</b>												
IU16	Use in aluminium or other metal industry; production of aluminium alloys	1)			X				SU3/SU14	PROC22	1)	ERC04
IU17	Use of tablets in aluminium smelting and alloys production	1)			X				SU3/SU14	PROC23	1)	ERC04
<b>ES6: Metal surface treatment</b>												
IU18	Metal surface treatment (boronizing of steel surface) in hot oven processes	PC14			X				SU3/SU15	PROC25	1)	ERC06b
IU19	Metal surface treatment (boronizing of steel surface) in aqueous galvanic bath	PC14			X				SU3/SU15	PROC13	1)	ERC06b
<b>ES7: End-uses by professionals</b>												
IU20	Use of cutting and grinding applications, e.g. the use of grinding wheels, cutting disks., outdoor	1)				X		X	SU22	PROC24	AC2	ERC10b
IU21	Use of cutting and grinding applications, e.g. the use of grinding wheels, cutting disks, indoor	1)				X		X	SU22	PROC24	AC2	ERC11b
IU22	Welding, outdoor, open processing	1)			X			X	SU22	PROC25	TARIC 8311000000	ERC10b
IU23	Welding, indoor, open processing	1)			X			X	SU22	PROC25	TARIC 8311000000	ERC11b
IU24	Sanding of metal surfaces, outdoor	1)			X			X	SU22	PROC24	TARIC 6805000000	ERC10b
IU25	Sanding of metal surfaces, indoor	1)			X			X	SU22	PROC24	TARIC 6805000000	ERC11b
IU26	Laboratory use	PC21			X				SU22	PROC15	1)	ERC08a
<b>ES8: End-uses by consumers</b>												
IU27	Use in cutting and grinding applications, e.g. the use of grinding wheels, cutting disks.	1)					X	X	SU21		AC2	ERC10b
IU28	Welding, outdoor, open processing	PC38					X	X	SU21		TARIC 8311000000	ERC10b
IU29	Welding, indoor, open processing	PC38					X	X	SU21		TARIC 8311000000	ERC11b
IU30	Use of brake pads (in vehicles)	1)						X	SU21		TARIC 6813810000	ERC10b
IU31	Sanding of metal surfaces, outdoor	1)					X	X	SU21		TARIC 6805000000	ERC10b
IU32	Sanding of metal surfaces, indoor	1)					X	X	SU21		TARIC 6805000000	ERC11b