

1 Table 9.0-1: Short description of all Identified Uses with their use descriptors and life cycle stage

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					
Manufacturing												
M1	Synthetic Aluminum Potassium Fluoride production (wet chemical process)	1)	X						SU3	PROC3	1)	ERC 1
M2	Synthetic Aluminum Potassium Fluoride production (hot melt process)	1)	X						SU3	PROC4	1)	ERC1
M3	Packaging of finished product	1)	X						SU3	PROC9	1)	ERC1
M4	Transferring of the product from/to silos and containers Packaging into bags, drums or IBC	1)	X						SU3	PROC8b	1)	ERC 1
Formulation / Mixing												
IU1	Preparation of coatings containing Aluminium Potassium Fluoride	1)		X					SU3	PROC3		ERC2
IU2	Formulating/preparing preparations containing Aluminium Potassium Fluoride for downstream processes aimed at: - production of abrasive appliances; - Production of welding rods - Production of brake pads - Production of glassware - Manufacture of sanding paper. - Production of fluxes	1)		X					SU3	PROC5	1)	ERC2
IU3	Preparation of fluxes for the metal industry (mainly Al and Steel) (blending of powders)	1)		X					SU3	PROC5	1)	ERC2
IU4	Adding powder as binder, blending (before pressing alloying compacts)	1)		X					SU3	PROC5	1)	ERC2
IU5	Unloading and storing of Aluminium Potassium Fluoride at the DU site	1)		X					SU3	PROC8a	1)	ERC2
IU6	Unloading and storing of Aluminium Potassium Fluoride at the DU site	1)		X					SU3	PROC8b	1)	ERC2
IU7	Transferring preparations containing Aluminium Potassium Fluoride into packaging forms suitable for downstream processing.	1)		X					SU3	PROC9	1)	ERC2
IU8	Pressing to form alloying compact	1)		X					SU3	PROC14	1)	ERC 3
IU9	Milling, grinding and sieving of PAF lumps in industrial unit.	1)		X					SU3	PROC24	1)	ERC2
Soldering / Brazing end-uses												
IU10	Slurry application by spraying to part to be soldered	PC38			X				SU3	PROC7	1)	ERC5
IU11	Coating of metal surface with Aluminium Potassium Fluoride containing preparation by spraying	PC38			X				SU3	PROC7	1)	ERC5
IU12	Slurry application by brushing to part to be soldered	PC38			X				SU3	PROC10	1)	ERC5
IU13	Coating of metal surface with Aluminium Potassium Fluoride containing preparation by rolling / brushing	PC38			X				SU3	PROC10	1)	ERC5
IU14	Slurry application by dipping to part to be soldered	PC38			X				SU3	PROC13	1)	ERC 5

CHEMICAL SAFETY REPORT

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					
IU15	Coating of metal surface with Aluminium Potassium Fluoride containing preparation by dipping / pouring	PC38			X				SU3	PROC13	1)	ERC5
IU16	Dry powder application (electrostatic) to part to be soldered	PC38			X				SU3	PROC 24	1)	ERC5
IU17	Use as brazing flux and soldering flux in aluminium welding/brazing.	PC38			X				SU3	PROC25	1)	ERC 5
	Other uses as flux											
IU18	Use as flux in the aluminium and Steel industry	PC38			X				SU3	PROC22	1)	ERC4
IU19	Use of tablets in Aluminium smelting	PC38			X				SU3	PROC22	1)	ERC4
	Production of articles											
IU20	Unloading of preparations containing Aluminium Potassium Fluoride at the DU site	1)			X				SU3	PROC 8a	1)	ERC5
IU21	Production of welding rods. Spraying for surface coating	1)			X				SU3	PROC7	1)	ERC5
IU22	Production of welding rods. Immersion operations	1)			X				SU3	PROC13	1)	ERC5
IU23	Production of welding rods. Low energy spreading	1)			X				SU3	PROC10	1)	ERC5
IU24	Production of welding rods. Preparation of electrode tip	1)			X				SU3	PROC 21	1)	ERC5
IU25	Production of - Abrasive appliances (e.g. grinding wheels, cutting disks). - brake pads	1)			X				SU3	PROC14	1)	ERC5
IU26	Production of - sanding paper	1)			X				SU3	PROC10	1)	ERC5
IU27	Mixing in ceramics tile production	1)			X				SU3	PROC 3	1)	ERC 5
IU28	Mixing in ceramics tile production				X				SU3	PROC 5	1)	ERC 5
IU29	Production of ceramic frits, pigments, glazes and tiles	1)			X				SU3	PROC 6	1)	ERC 5
IU30	Unloading of preparations containing Aluminium Potassium Fluoride at the DU site	1)			X				SU3	PROC 8a	1)	ERC 5
IU31	ceramic frits, pigments, glazes and tiles production in ovens	1)			X				SU3	PROC22	1)	ERC 5
IU32	Production of glassware (as opalizing agents)	1)			X				SU3	PROC22	1)	ERC5
	End-uses of articles in industry											
IU33	Use of cutting and grinding applications, e.g. the use of grinding wheels, cutting disks.	1)			X		X		SU3	PROC24	AC2	ERC12b
IU34	Welding, outdoor, open processing	1)			X		X		SU3	PROC25	TARIC 8311000000	ERC10b
IU35	Welding, indoor, open processing	1)			X		X		SU3	PROC25	TARIC 8311000000	ERC11b
IU36	Welding, outdoor, closed processing	1)			X		X		SU3	PROC2	TARIC 8311000000	ERC10b
IU37	Welding, indoor, closed processing	1)			X		X		SU3	PROC2	TARIC 8311000000	ERC11b

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					
IU38	Installation and replacement of brake pads ¹⁾	1)			X			X	SU3	PROC21	TARIC 6813810000	ERC11a
IU39	Sanding of metal surfaces	1)			X			X	SU3	PROC24	TARIC 6805000000	ERC12a
	End-uses by professionals											
IU40	Use of cutting and grinding applications, e.g. the use of grinding wheels, cutting disks., outdoor	1)					X	X	SU22	PROC24	AC2	ERC10b
IU41	Use of cutting and grinding applications, e.g. the use of grinding wheels, cutting disks, indoor	1)					X	X	SU22	PROC24	AC2	ERC11b
IU42	Welding, outdoor, open processing	1)					X	X	SU22	PROC25	TARIC 8311000000	ERC10b
IU43	Welding, indoor, open processing	1)					X	X	SU22	PROC25	TARIC 8311000000	ERC11b
IU44	Installation and replacement of brake pads	1)					X	X	SU22	PROC21	TARIC 6813810000	ERC10a
IU45	Sanding of metal surfaces, outdoor	1)					X	X	SU22	PROC24	TARIC 6805000000	ERC10b
IU46	Sanding of metal surfaces, indoor	1)					X	X	SU22	PROC24	TARIC 6805000000	ERC11b
IU47	Laboratory use	PC21					X		SU22	PROC15	1)	ERC8a
IU48	Use of ceramic frits, pigments, glazes and tiles						X	X	SU 22	PROC21	AC4	ERC11a
	End-uses by consumers											
IU49	Use in cutting and grinding applications, e.g. the use of grinding wheels, cutting disks.	1)						X	X	SU21	AC2	ERC10b
IU50	Welding, outdoor, open processing	PC38						X	X	SU21	TARIC 8311000000	ERC10b
IU51	Welding, indoor, open processing	PC38						X	X	SU21	TARIC 8311000000	ERC11b
IU52	Use of brake pads (in vehicles)	1)						X	SU21		TARIC 6813810000	ERC10b
IU53	Sanding of metal surfaces, outdoor	1)						X	X	SU21	TARIC 6805000000	ERC10b
IU54	Sanding of metal surfaces, indoor	1)						X	X	SU21	TARIC 6805000000	ERC11b
IU55	Use of ceramic frits, pigments, glazes and tiles							X	SU 21		AC4	ERC11a

1) In this life cycle step the product category is not yet relevant.