

DRAFT TABLE OF IDENTIFIED USES

SUBSTANCE	Aluminium tris(dihydrogen phosphate) [MALP]
IP no.	39
EINECS	236-875-2
CAS	13530-50-2
Classification	Classified as hazardous according to Annex VI of REGULATION (EC) No 1272/2008

Lead Company: Chemische Fabrik Budenheim KG, Germany

If you have the same use than indicated, please confirm
 If you have different uses, please select one from the dropdown list

If you have any doubt, please consult the attached ECHA guidance
 Environmental Release Categories (ERC) are necessary for classified substances only.

Confirm	Titel / Description	Sector(s) of Use (SU)	Product Categories (PC)	Process Categories (PROC)	Environmental Release Categories (ERC)	Article Categories (AC)	COMMENTS
	ES1: Manufacture Manufacture of MALP	SU 8,9 - Manufacture of chemicals	not applicable	PROC 1 - Use in closed process, no likelihood of ex-posure PROC 2 - Use in closed, continuous process with oc-casional controlled exposure (e.g. sam-pling) PROC 3 - Use in closed batch process (synthesis or formulation) PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)	ERC 1 - Manufacture of substances	not applicable	
	ES 2: Formulation and synthesis Use of MALP as intermediate (for chemical reactions) or for formulation (e.g. mixing, blending) of preparations/materials	SU 8,9 - Manufacture of chemicals SU10 - Formulation	PC19 - Intermediate PC20 - Products such as ph-regulators, flocculants, precipitants, neutralization agents, other un-specific	PROC 1 - Use in closed process, no likelihood of ex-posure PROC 2 - Use in closed, continuous process with oc-casional controlled exposure (e.g. sam-pling) PROC 3 - Use in closed batch process (synthesis or formulation) PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 6 - Calendering operations PROC 7 - Industrial spraying PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 19 - Hand-mixing with intimate contact and only PPE available.	ERC 1 - Manufacture of substances ERC 2 - Formulation of preparations ERC 3 - Formulation in materials ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles ERC 5 - Industrial use resulting in inclusion into or onto a matrix ERC 6A - Industrial use resulting in manufacture of another sub-stance (use of intermediates) ERC 6B - Industrial use of reactive processing aids ERC 6C - Industrial use of monomers for polymerisation ERC 6D - Industrial use of auxiliaries for polymerisation processes in production of resins, rubbers, polymers	not applicable	

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	ES 3: Laboratory chemical Use of MALP as laboratory chemical	SU3- Industrial uses SU22 - Professional uses SU24 - Scientific research and development	PC21 - Laboratory Chemicals	PROC 15 - Use as laboratory reagent	ERC 8A - Wide dispersive indoor use of processing aids in open systems ERC 8B - Wide dispersive indoor use of reactive substances in open systems ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix	not applicable	
	ES 4.1: Industrial or professional end use as - additive/pigment/auxiliary in plastics/resins/paints	SU3- Industrial uses SU12 - Manufacture of plastics products, including compounding and conversion SU22 - Professional uses	PC20 - Products such as ph-regulators, flocculants, precipitants, neutralization agents, other un-specific PC9a - Coatings and Paints, Thinners, paint removers PC32 - Polymer Preparations and Compounds	PROC 1 - Use in closed process, no likelihood of ex-posure PROC 2 - Use in closed, continuous process with oc-casional controlled exposure (e.g. sam-pling) PROC 3 - Use in closed batch process (synthesis or formulation) PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 6 - Calendering operations PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 19 - Hand-mixing with intimate contact and only PPE available.	ERC 3 - Formulation in materials ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles ERC 5 - Industrial use resulting in in-clusion into or onto a matrix ERC 6B - Industrial use of reactive processing aids ERC 7 - Industrial use of substances in closed systems ERC 8A - Wide dispersive indoor use of processing aids in open systems ERC 8B - Wide dispersive indoor use of reactive substances in open systems ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC 8D - Wide dispersive outdoor use of processing aids in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems ERC 8F - Wide dispersive outdoor use resulting in inclusion into or onto a matrix	not applicable	
	ES 4.2: Industrial or professional end use as - protective coating and oxidation inhibitor, - corrosion protection	SU3- Industrial uses SU22 - Professional uses SU14 - Manufacture of basic metals	PC20 - Products such as ph-regulators, flocculants, precipitants, neutralization agents, other un-specific PC14 - Metal surface treatment products, including galvanic and electroplating products PC7 - Base metals and alloys	PROC 7 - Industrial spraying PROC 10 - Roller application or brushing PROC 11 - Non industrial spraying	ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles ERC 5 - Industrial use resulting in in-clusion into or onto a matrix ERC 6B - Industrial use of reactive processing aids	not applicable	

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				PROC 13 - Treatment of articles by dipping and pour-ing PROC 16 - Using material as fuel sources, limited ex-posure to unburned product to be expected PROC 26 - Handling of solid inorganic substances at ambient temperature	ERC 8B - Wide dispersive indoor use of reactive substances in open systems ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC 8E - Wide dispersive outdoor use of reactive substances in open systems ERC 8F - Wide dispersive outdoor use resulting in inclusion into or onto a matrix		
	ES 4.3: Industrial or professional end use as - separating agent and lubricant for moulding applications; - lubricants, greases;	SU3- Industrial uses SU22 - Professional uses	PC20 - Products such as ph-regulators, flocculants, precipitants, neutralization agents, other un-specific PC0 - Other products, use UCN codes: see comments	PROC 18 - Greasing at high energy conditions PROC 25 - Other hot work operations with metals Welding, soldering, gouging, brazing, flame cutting PROC 21 - Low energy manipulation of substances in form of massive metal or bound in other materials and/or articles PROC 23 - Open processing and transfer operations with minerals/metals at elevated tempera-ture PROC 24 - High (mechanical) energy work-up of mas-sive metals or substances bound in materi-als and/or articles	ERC 8A - Wide dispersive indoor use of processing aids in open systems	not applicable	UCN-Code: F 12000
	ES 4.4: Industrial or professional end use as - binding agent in ceramic materials; - binding agent in refractory products	SU3- Industrial uses SU13 - Manufacture of other non-metallic mineral products, e.g. plasters, cement SU19 - Building and construction work SU22 - Professional uses	PC20 - Products such as ph-regulators, flocculants, precipitants, neutralization agents, other un-specific PC0 - Other products, use UCN codes: see comments	PROC 7 - Industrial spraying PROC 10 - Roller application or brushing PROC 11 - Non industrial spraying PROC 13 - Treatment of articles by dipping and pour-ing PROC 14 - Production of preparations or articles by tableting, compression, extrusion, pelleti-sation PROC 19 - Hand-mixing with intimate contact and only PPE available.	ERC 5 - Industrial use resulting in inclusion into or onto a matrix ERC 6B - Industrial use of reactive processing aids ERC 8B - Wide dispersive indoor use of reactive substances in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems ERC 2 - Formulation of preparations	AC 4 - Stone, plaster, cement, glass and ceramic articles AC 12-1 - Constructional articles and building material for indoor use: wall construction material ceramic, metal, plastic and wood construction material, insulating material.	UCN-Code: B 20300; UCN-Code: K 35900

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				PROC 22 - Potentially closed processing operations with minerals/metals at elevated temperature	ERC 3 - Formulation in materials		
	ES 5.1: Consumer end use as - binding agent in ceramic materials; - binding agent in refractory products	SU21 - Consumer uses SU19 - Building and construction work	PC20 - Products such as ph-regulators, flocculants, precipitants, neutralization agents, other un-specific PC0 - Other products, use UCN codes: see comments	not applicable	ERC 8B - Wide dispersive indoor use of reactive substances in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems ERC 10A - Wide dispersive outdoor use of long-life articles and materials with low release ERC 11A - Wide dispersive indoor use of long-life articles and materials with low release	AC 4 - Stone, plaster, cement, glass and ceramic articles AC 12-1 - Constructional articles and building material for indoor use: wall construction material ceramic, metal, plastic and wood construction material, insulating material.	UCN-Code: B 20300; UCN-Code: K 35900