

**DRAFT TABLE OF IDENTIFIED USES**

<b>SUBSTANCE</b>	Tricalcium bis(orthophosphate) [ $\beta$ -TCP]
<b>IP no.</b>	23
<b>EINECS</b>	231-840-8
<b>CAS</b>	7758-87-4
<b>Classification</b>	<b>NOT</b> 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 any doubt, please consult the attached ECHA guidance  
 If you have different uses, please select one from the dropdown list

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

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				PROC 14 - Production of preparations or articles by tableting, compression, extrusion, pelleting PROC 19 - Hand-mixing with intimate contact and only PPE available.			
	<b>ES 3: Laboratory chemical</b> <i>Use of <math>\beta</math>-TCP as laboratory chemical</i>	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	
	<b>ES 4.1: Industrial or professional end use as</b> <b>- additive/pigment/auxiliary in plastics/resins/paints</b>	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 PC9b - Fillers, Putties PC32 - Polymer Preparations and Compounds	PROC 1 - Use in closed process, no likelihood of ex-posure PROC 2 - Use in closed, continuous process with occasional controlled exposure (e.g. sampling) 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 inclusion 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	
	<b>ES 4.2: Industrial or professional end use as</b>	SU3- Industrial uses	PC20 - Products such as ph-regulators, flocculants, precipitants, neutralization agents, other un-specific	PROC 1 - Use in closed process, no likelihood of ex-posure	ERC 3 - Formulation in materials	AC 4 - Stone, plaster, cement, glass and ceramic articles	

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	- raw material for ceramic materials (e.g. bone china),  - coating systems on ceramic materials (glazes, coatings, oxidation protection etc.)	SU13 - Manufacture of other non-metallic mineral products, e.g. plasters, cement		PROC 2 - Use in closed, continuous process with oc-casional controlled exposure (e.g. sam-pling)	ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles		
		SU19 - Building and construction work		PROC 3 - Use in closed batch process (synthesis or formulation)	ERC 5 - Industrial use resulting in inclusion into or onto a matrix		
		SU22 - Professional uses		PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	ERC 6B - Industrial use of reactive processing aids		
				PROC 5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)	ERC 7 - Industrial use of substances in closed systems		
				PROC 6 - Calendering operations	ERC 8A - Wide dispersive indoor use of processing aids in open systems		
				PROC 7 - Industrial spraying	ERC 8B - Wide dispersive indoor use of reactive substances in open systems		
				PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities	ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix		
				PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	ERC 8D - Wide dispersive outdoor use of processing aids in open systems		
				PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems		
				PROC 11 - Non industrial spraying	ERC 8F - Wide dispersive outdoor use resulting in inclusion into or onto a matrix		
				PROC 13 - Treatment of articles by dipping and pour-ing	ERC 10A - Wide dispersive outdoor use of long-life articles and mate-rials with low release		
				PROC 14 - Production of preparations or articles by tableting, compression, extrusion, pelleti-sation	ERC 10B - Wide dispersive outdoor use of long-life articles and mate-rials with high or intended release		
				PROC 19 - Hand-mixing with intimate contact and only PPE available.	ERC 11A - Wide dispersive indoor use of long-life articles and materials with low release		
				PROC 22 - Potentially closed processing operations with minerals/metals at elevated tempera-ture	ERC 11B - Wide dispersive indoor use of long-life articles and materials with high or intended release		
		PROC 23 - Open processing and transfer operations with minerals/metals at elevated tempera-ture					
		PROC 26 - Handling of solid inorganic substances at ambient temperature					
	<b>ES 4.3: Industrial or professional end use as/for</b>	SU3- Industrial uses	PC29 - Pharmaceuticals	PROC 3 - Use in closed batch process (synthesis or formulation)	ERC 2 - Formulation of preparations	not applicable	

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Yes	- food additive,  - cosmetics,  - pharmaceuticals	SU4 - Manufacture of food products	PC39 - Cosmetics, personal care products	PROC 5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)	ERC 4 - Industrial use of processing aids in processes and products, not becoming part of articles		
		SU20 - Health services		PROC 6 - Calendaring operations	ERC 8A - Wide dispersive indoor use of processing aids in open systems		
		SU22 - Professional uses		PROC 7 - Industrial spraying	ERC 8B - Wide dispersive indoor use of reactive substances in open systems		
				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 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, pelleting			
				PROC 22 - Potentially closed processing operations with minerals/metals at elevated temperature			
				PROC 26 - Handling of solid inorganic substances at ambient temperature			
Yes	ES 4.4: Industrial or professional end use as  - fertilizer	SU1 - Agriculture, forestry, fishery	PC12 - Fertilizers	PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities	ERC 8B - Wide dispersive indoor use of reactive substances in open systems	TARIC CODE: see comments	TARIC 3101
		SU3- Industrial uses		PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems		
		SU22 - Professional uses		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.			
				PROC 26 - Handling of solid inorganic substances at ambient temperature			

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	ES 5.1: Consumer end use - cosmetics	SU21 - Consumer uses	PC39 - Cosmetics, personal care products	not applicable	ERC 8A - Wide dispersive indoor use of processing aids in open systems		
	ES 5.2: Consumer end use as - fertilizer	SU1 - Agriculture, forestry, fishery SU21 - Consumer uses	PC12 - Fertilizers	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	TARIC CODE: see comments	TARIC 3101