

Identified uses in the electroplating industry

Number	Code	Short ES title	Short description of process or activity	use descriptors (ECETOC-TRA)				Life Cycle Stage(s)					Exposure Modifier					Risk management measures								
				Sector of use (SU)	Process Category (PROC)	Product category (PC)	Environmental Release Category (ERC)	Manufacture	Formulation	end use			duration and frequency (exposure time)	Outdoor	Indoor		respiratory protection	Eye protection (goggles)	protection of hands (gloves)							
										Industrial	Professional	Consumer			with Local Exhaust Ventilation (LEV)	without LEV										
1	Product delivered to a Formulator	Use in industrial manufacture of preparations, including laboratory assistance	Mixing or blending in batch processes	SU 15	PROC 5	14, 15, 20, 21	ERC 2 ERC 4		X				4h-8h/shift	no	yes	no	efficiency 90 %	yes	yes							
			Transfer of substance or mixture (charging and discharging) at dedicated facilities		PROC 8b								4h-8h/shift	no	yes	no	efficiency 90 %	yes	yes							
			Transfer of substance or mixture into small containers (dedicated filling line, including weighing)		PROC 9								4h-8h/shift	no	yes	no	efficiency 90 %	yes	yes							
			Use as laboratory reagent		PROC 15								1h-4h/shift	no	yes	no	not	yes	yes							
2	Any Substance for Manual Electroplating	Use for industrial manual electroplating surface treatment	Transfer of substance or mixture (charging and discharging) at dedicated facilities	SU 15	PROC 8b	14, 15, 20, 21	ERC 4																			
			Treatment of articles by dipping and pouring		PROC 13															4h-8h/shift	no	yes	no	not	yes	yes
			Use as laboratory reagent		PROC 15															1h-4h/shift	no	yes	no	not	yes	yes
3	Any Substance for Automatic Electroplating	Use for industrial automatic electroplating surface treatment	Transfer of substance or mixture (charging and discharging) at dedicated facilities	SU 15	PROC 8b	14, 15, 20, 21	ERC 4																			
			Treatment of articles by dipping and pouring		PROC 13															1h-4h/shift	no	yes	no	not	yes	yes
			Use as laboratory reagent		PROC 15															1h-4h/shift	no	yes	no	not	yes	yes

Note: For information on the listed sectors and categories, see the ECHA "Guidance on Information Requirements and Chemical Safety Assessment" (Chapter R.12)