

# Technical recommendations for the targeted amendment of the European List of Waste entries relevant to batteries

Support for the new batteries regulatory framework - WP8

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# 5. Recommendations for the targeted amendment of the LoW entries

### 5.1. Battery manufacturing waste

Table 35. Recommendation for the adaption of the LoW regarding batteries manufacturing waste. New entries or new wording are highlighted in red.

16	Waste not otherwise specified in the list			
16 06	Batteries and accumulators	Wastes from the manufacture, supply and use of batteries		
Current	LoW entries	Proposal for LoW amendment		
		16 06 21*	Lead-acid battery manufacturing waste containing hazardous substances (for example lead paste, lead scrap)	
		16 06 22	Lead-acid battery manufacturing waste other than those mentioned in 16 06 21	
		16 06 23*	Lithium-based battery manufacturing waste containing hazardous substances (for example including cathode cut-offs, waste, cathode slurry)	
		16 06 24	Lithium-based battery manufacturing waste other than those mentioned in 16 06 23 (for example including anode cutoffs)	
		16 06 25*	Nickel-based battery manufacturing waste containing hazardous substances (for example waste streams containing liquid and solid cathode material)	
		16 06 26	Nickel-based battery manufacturing waste other than those mentioned in 16 06 25	
		16 06 27*	Alkaline-based battery manufacturing waste containing hazardous substances	
		16 06 28	Alkaline-based battery manufacturing waste other than those mentioned in 16 06 27	
		16 06 29*	Zinc-based battery manufacturing waste containing hazardous substances	
		16 06 30	Zinc-based battery manufacturing waste other than those mentioned in 16 06 29	
		16 06 31*	Sodium-based battery manufacturing waste containing hazardous substances	
		16 06 32	Sodium-based battery manufacturing waste other than those mentioned in 16 06 31	
		16 06 33*	Battery manufacturing waste containing hazardous substances other than those mentioned in 16 06 21, 16 06 23, 16 06 25, 16 06 27, 16 06 29 and 16 06 31	
		16 06 34	Battery manufacturing waste other than those mentioned in 16 06 22, 16 06 24, 16 06 26, 16 06 28, 16 06 30 and 16 06 32	

#### 5.2. Waste batteries

Table 36. Recommendation for the adaption of the LoW regarding waste batteries. New entries or new wording are highlighted in red.

16	Waste not otherwise specified in the list								
16 06	Batteries and accumulators Wastes from the manufacture, supply and use of batteries								
Current Lo\	W entries	Proposal for L	LoW amendment						
16 06 01*	Lead batteries	16 06 01*	Waste lead-acid batteries						
16 06 02*	Ni-Cd batteries	16 06 02*	Waste nickel-cadmium batteries-						
16 06 03*	Mercury-containing batteries	16 06 03*	Waste mercury-containing batteries						
16 06 04			Waste alkaline-based batteries (except 16 06 03)						
16 06 05	Other batteries and accumulators	16 06 05	Waste batteries not otherwise specified other than those mentioned in 16 06 07						
16 06 06*	Separately collected electrolyte from batteries and accumulators	16 06 06*	Separately collected electrolyte from waste batteries and accumulators						
		16 06 07*	Waste batteries not otherwise specified containing hazardous substances						
		16 06 08*	Waste lithium-based batteries						
		16 06 09*	Waste nickel-based batteries other than those mentioned in 16 06 02 (e.g. NiMH, Na-NiCl <sub>2</sub> )						
		16 06 10*	Waste zinc-based batteries, including silver oxide batteries						
		16 06 11*	Waste sodium-based batteries containing hazardous substances (except 16 06 13)						
		16 06 12	Other waste sodium-based batteries						
		16 06 13*	Waste sodium sulphur batteries						
		16 06 14*	Unsorted waste batteries						
20	Municipal wastes (household wast	e and similar c	ommercial, industrial and institutional waste) including separately collected fractions						
20 01	Separately collected fractions (except 15 01)								
20 01 33*	Batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	20.01.33*	Waste batteries and accumulators included in categories 16 06 01, 16 06 02 or 16 06 03 to 16 06 04, 16 06 07 to 16 06 11, 16 06 13 and unsorted waste batteries and accumulators containing those waste batteries						
20 01 34	Batteries and accumulators other than those mentioned in 20 01 33	20 01 34	Waste batteries and accumulators other than those mentioned in 20 01 33						

# 5.3. Intermediate fractions from waste battery recycling

Table 37. Recommendation for the adaption of the LoW regarding intermediate fractions from waste battery recycling

19	Wastes from v	-	gement facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water							
19 02	Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)									
Current L	nt LoW entries Recommendation for LoW amendment									
		19 02 12*	Solid salts and solutions containing heavy metals from battery recycling							
10	Wastes from t	hermal proc	esses							
10 04	Wastes from l	ead thermal	al metallurgy							
10 04 01	0 04 01 slags from primary and secondary production									
10 08	Wastes from other non-ferrous thermal metallurgy									
		10 08 21*	Slags from waste lithium-based battery recycling containing hazardous substances							
		10 08 22	Slags from waste lithium-based battery recycling other than those mentioned in 10 08 21							
		10 08 23*	Slags from waste nickel-based battery recycling containing hazardous substances							
		10 08 24	Slags from waste nickel-based battery recycling other than those mentioned in 10 08 23							
		10 08 25*	Slags from other waste battery recycling containing hazardous substances except 10 04 01							
		10 08 26	Slags from other waste battery recycling other than those mentioned in 10 08 25							
19	Waste from human consun		 nanagement facilities, off-site waste water treatment plants and the preparation of water intended for ater for industrial use							
19 14	Wastes from t	the mechanic	al / thermal treatment of waste batteries							
		19 12 01*	Intermediate fraction from the thermal/mechanical treatment of waste lead-acid batteries and lead-acid battery manufacturing waste containing a mixture of electrode materials							
		19 12 02*	Intermediate fraction from the thermal/mechanical treatment of waste lithium-based batteries and lithium-based battery manufacturing waste containing a mixture of electrode materials							
		19 12 03*	Intermediate fraction from the thermal/mechanical treatment of waste nickel-based batteries and nickel-based battery manufacturing waste containing a mixture of electrode materials							
		19 12 04*	Intermediate fraction from the thermal/mechanical treatment of waste alkaline-based batteries and alkaline-based battery manufacturing waste containing a mixture of electrode materials							
		19 12 05*	Intermediate fraction from the thermal/mechanical treatment of waste zinc-based batteries and zinc-based battery manufacturing waste containing a mixture of electrode materials							

	]	14 17 116"	Intermediate fraction from the thermal/mechanical treatment of waste sodium-based batteries and sodium-based battery manufacturing waste containing a mixture of electrode materials
	1	1 U 1 J /1 /*	Intermediate fraction from the thermal/mechanical treatment of waste batteries and battery manufacturing waste containing a mixture of electrode materials, not otherwise specified in 19 12 13 to 19 12 18
	1	19 12 08	Alloys from waste battery recycling [in massive form]