The Survey of REACH SVHC

Identity of the Producer/ Supplier

Date	August 7, 2024
Name of Company	Panasonic Energy Co., Ltd.
Issuing Department	Technical Administration Section, Energy Device Business Division
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Version of the candidate list	Candidate list from 27 June 2024
comment	

Content of SVHC

Product Name	Model No.	Product Weight (g)	CAS.No	Name of Substance	Content* (%)	Location	Pproduction location
Lithium battery	2CR-5MPA/1B	37	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.5	Electrolyte	Outside of the EU
Lithium battery	2CR-5MPA/B	37	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.5	Electrolyte	Outside of the EU
Lithium battery	CR-AGC22N	23.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	4.3	Electrolyte	Outside of the EU
Lithium battery	CR-AGDE5N	22.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	4.4	Electrolyte	Outside of the EU
Lithium battery	CR-AGDE27N	23.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	4.3	Electrolyte	Outside of the EU
Lithium battery	CR-AGE2N	22.8	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	4.4	Electrolyte	Outside of the EU
Lithium battery	CR-AGZC22N	23.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	4.3	Electrolyte	Outside of the EU
Lithium battery	CR-AGZE2N	22.8	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	4.4	Electrolyte	Outside of the EU
Lithium battery	CR-1025/BN	0.7	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.8	Electrolyte	Outside of the EU
Lithium battery	CR-1216/BN	0.7	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.0	Electrolyte	Outside of the EU
Lithium battery	CR-1220/BN	0.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.6	Electrolyte	Outside of the EU
Lithium battery	CR-1220/FCN	1.0	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.4	Electrolyte	Outside of the EU
Lithium battery	CR-1220/HFN	1.0	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.3	Electrolyte	Outside of the EU
Lithium battery	CR-123APA/B	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-123APA/1B	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-123APA/1S	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-123APA/5S	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-123APA/BD	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-123PA/BD	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-123PE/BN	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-123PN/1S	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-1612/BN	0.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.8	Electrolyte	Outside of the EU
Lithium battery	CR-1616/BN	1.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.8	Electrolyte	Outside of the EU
Lithium battery	CR-1616/F2N	1.2	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.5	Electrolyte	Outside of the EU
Lithium battery	CR-1620/BN	1.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.9	Electrolyte	Outside of the EU
Lithium battery	CR-1632/BN	1.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.5	Electrolyte	Outside of the EU
Lithium battery	CR-1632/F2N	2.0	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-1632/HFN	2.0	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-1632/G1AN	2.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.0	Electrolyte	Outside of the EU
Lithium battery	CR-1632/V1AN	2.0	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-2012/BN	1.4	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.3	Electrolyte	Outside of the EU
Lithium battery	CR-2016/BN	1.6	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.9	Electrolyte	Outside of the EU
Lithium battery	CR-2016/F2N	1.8	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.8	Electrolyte	Outside of the EU
Lithium battery	CR-2025L/BN	2.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2025L/BD	2.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2025/F2N	2.5	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.2	Electrolyte	Outside of the EU
Lithium battery	CR-2032/F2N	3.2	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2032/GUN	3.4	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.2	Electrolyte	Outside of the EU

Lithium battery	CR-2032/GVFN	3.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.2	Electrolyte	Outside of the EU
Lithium battery	CR-2032/GVN	3.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.2	Electrolyte	Outside of the EU
Lithium battery	CR-2032/HEN	3.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-2032/HF1N	3.2	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-2032/HFN	3.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-2032/HGN	3.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.2	Electrolyte	Outside of the EU
Lithium battery	CR-2032/HMN	3.2	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-2032/HSN	3.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2032/HU3N	3.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2032/VBN	3.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.3	Electrolyte	Outside of the EU
Lithium battery	CR-2032/VC1N	3.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2032/VCN	3.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2032/ZBD	3.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2032L/BB	2.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.6	Electrolyte	Outside of the EU
Lithium battery	CR-2032L/BD	2.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.6	Electrolyte	Outside of the EU
Lithium battery	CR-2032L/BN	2.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.6	Electrolyte	Outside of the EU
Lithium battery	CR-2032L/F1N	3.2	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2032A/HCN	3.2	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.7	Electrolyte	Outside of the EU
Lithium battery	CR-2330/BN	4.0	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.2	Electrolyte	Outside of the EU
Lithium battery	CR-2330/HFN	4.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.1	Electrolyte	Outside of the EU
Lithium battery	CR-2354/BN	5.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.1	Electrolyte	Outside of the EU
Lithium battery	CR-2354/F2N	6.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2354/GUFN	6.4	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.8	Electrolyte	Outside of the EU
Lithium battery	CR-2354/GUN	6.5	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.8	Electrolyte	Outside of the EU
Lithium battery	CR-2354/GVFN	6.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2354/HFN	6.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2354/VCN	6.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.0	Electrolyte	Outside of the EU
Lithium battery	CR-2412/BN	2.0	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.0	Electrolyte	Outside of the EU
Lithium battery	CR-2450/BB	6.4	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.2	Electrolyte	Outside of the EU
Lithium battery	CR-2450/BD	6.4	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.2	Electrolyte	Outside of the EU
Lithium battery	CR-2450/F1AN	6.6	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.0	Electrolyte	Outside of the EU
Lithium battery	CR-2450/G1AN	6.9	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2450/H1AN	6.6	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.0	Electrolyte	Outside of the EU
Lithium battery	CR-2450/VAN	6.6	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.0	Electrolyte	Outside of the EU
Lithium battery	CR-2450A/GBN	7.3	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.4	Electrolyte	Outside of the EU
Lithium battery	CR-2477/BN	10.5	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.0	Electrolyte	Outside of the EU
Lithium battery	CR-2477/F2N	10.5	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2477/HEN	10.5	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2477/HFN	10.5	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2477/VCN	10.6	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	2.9	Electrolyte	Outside of the EU
Lithium battery	CR-2PA/1B	11	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.8	Electrolyte	Outside of the EU
Lithium battery	CR-2PE/BN	11	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.8	Electrolyte	Outside of the EU
Lithium battery	CR-2ULC3N	12	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.6	Electrolyte	Outside of the EU
Lithium battery	CR-2ZLE2N	12	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.7	Electrolyte	Outside of the EU
Lithium battery	CR-2/3ALBN	16	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	4.2	Electrolyte	Outside of the EU
Lithium battery	CR-2/3AZE27N	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.8	Electrolyte	Outside of the EU
Lithium battery	CR-2/3AZE2PN	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-2/3AZE5N	17	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.9	Electrolyte	Outside of the EU
Lithium battery	CR-3032/BN	7.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.6	Electrolyte	Outside of the EU
Lithium battery	CR-3032/F2N	7.4	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.5	Electrolyte	Outside of the EU
Lithium battery	CR-3032/VCN	7.8	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	1.5	Electrolyte	Outside of the EU
Lithium battery	CR-P2PA/B	36	-	none	-	-	Outside of the EU
Lithium battery	CR-P2PA/1B	36	-	none	-	-	Outside of the EU
Lithium battery	CR-V3/BE	39.1	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	3.8	Electrolyte	Outside of the EU

Safe use information; Not applicable.

The ingredients (include SVHC) are in a hermetically sealed state in the battery.

The SVHCs listed avbove are NOT released under normal or reasonably foreseeable conditions of use.