

Gefahrgutinformation/Dangerous Goods Information

Artikelnummer/Article number: **3VW9011-0AT38**

Das Produkt ist

- eine Lithium-Metall-Knopfzelle, die die Voraussetzungen der Sondervorschrift 188 der „UN Recommendations on the Transport Of Dangerous Goods“ erfüllt, insbesondere:
 - Zelle $\leq 0,3$ g Lithiumgehalt
 - Zelle entspricht einem Typ, für den nachgewiesen wurde, dass er die Anforderungen jedes zum Testzeitpunkt anwendbaren Tests des UN Manual of Tests and Criteria, Teil III, Unterabschnitt 38.3, Revision 3 Amendment 1 oder einer nachfolgenden Revision und Amendment erfüllt (s. auch Anlage 38.3 Test Summary Report).

Das Produkt ist daher bei Lieferung für die nachfolgend angeführten Gefahrgutvorschriften wie angegeben klassifiziert und ist entsprechend den anwendbaren nationalen und internationalen Gefahrgutvorschriften für die genutzten Verkehrsträger zu befördern.

Bitte beachten Sie für weitere Beförderungen die fortlaufenden Änderungen der Gefahrgutvorschriften sowie ggf. Änderungen am Produkt nach Lieferung.

Falls Angaben zu Notfallmaßnahmen erforderlich sind, finden sich diese im/in den zutreffenden PSDS*.

The product is

- a lithium metal button cell meeting the preconditions of Special Provision 188 of the “UN Recommendations on the Transport Of Dangerous Goods”, especially:
 - Cell $\leq 0,3$ g lithium content
 - Cell is of a type proved to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3, Revision 3 Amendment 1 or any subsequent revision and amendment applicable at the date of the type testing (see also attached 38.3 Test Summary Report).

On delivery, the product is therefore classified according to the dangerous goods regulations as mentioned below and has to be transported according to the applicable national and international dangerous goods regulations for the modes of transport used.

Please consider for further transports the continuous changes of the dangerous goods regulations as well as applicable changes of the product after delivery.

If emergency response information is necessary it can be found in the applicable PSDS*.

* PSDS: Produktsicherheitsdatenblatt/Product Safety Data Sheet

Anlage/Attachment: 38.3 Test Summary Report

ADR/RID/ADN: UN 3090 Lithium-Metall-Batterien, 9,
Lithium-Metall-Knopfzelle, Voraussetzungen der Sondervorschrift 188 erfüllt
UN 3090 Lithium metal batteries, 9,
Lithium metal button cell, preconditions of Special Provision 188 met

ICAO-TI/IATA-DGR: UN 3090 Lithium metal batteries, 9,
Lithium metal button cell, preconditions of Section II PI 968/Section IB PI 968 met

IMDG Code: UN 3090 Lithium metal batteries, 9,
Lithium metal button cell, preconditions of Special Provision 188 met

Batterie/battery: 1 x Hitachi Maxell, CR2450HR



**LITHIUM CELLS OR BATTERIES TEST SUMMARY AND CERTIFICATION
IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA**

BATTERY TRANSPORTION INFORMATION

Name of cell, battery or product manufacture, as applicable: Item Name Model name : CR2450HR Normal voltage 3V Rated capacity 550mAh Item Description Lithium-metal cell		Cell, battery or product manufacturer's contact information to include address, phone number, email address and website for more information: Maxell, Ltd. 5 Takumidai, Ono-Shi, Hyogo, 675-1322 Japan Phone: (+81) 794-63-8054 e-mail: takashi-kimura@maxell.co.jp Web: http://www.maxell.co.jp																																																										
Name of the test laboratory to include address, phone number, email address and website for more information Maxell, Ltd. 1 Koizumi, Oyamazaki, Oyamazaki-cho, Otokuni-gun, Kyoto, 618-8525 Japan Phone: (+81) 75-956-4148 email: masahiko-takai@maxell.co.jp Web: http://www.maxell.co.jp		Test report identification number: C-1910-13	Date of the test report: October 15, 2019																																																									
Description of cell or battery to include at a minimum: Lithium ion or <u>Lithium metal cell</u> or battery Mass; Watt-hour rating, or <u>Lithium content</u> , Physical description of the cell/battery; and Model Number Cell or battery Type : Cell Lithium content : 0.15g Cell or Battery Weight : 6.7g Physical description : Stainless steel		List of test conducted and results(i.e. Pass/Fail) <table border="1"> <thead> <tr> <th rowspan="2">Test number</th> <th rowspan="2">Designation</th> <th rowspan="2">Results</th> <th colspan="3">Applicable</th> </tr> <tr> <th>cell</th> <th>Single cell battery</th> <th>battery</th> </tr> </thead> <tbody> <tr> <td>T-1</td> <td>Altitude</td> <td>Pass</td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>T-2</td> <td>Thermal cycling</td> <td>Pass</td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>T-3</td> <td>Vibration</td> <td>Pass</td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>T-4</td> <td>Shock</td> <td>Pass</td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>T-5</td> <td>External short circuit</td> <td>Pass</td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>T-6</td> <td>Impact / Crush</td> <td>Pass</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>T-7</td> <td>Overcharge</td> <td>Not applicable</td> <td></td> <td>✓</td> <td>✓</td> </tr> <tr> <td>T-8</td> <td>Forced Discharge</td> <td>Pass</td> <td>✓</td> <td></td> <td></td> </tr> </tbody> </table>		Test number	Designation	Results	Applicable			cell	Single cell battery	battery	T-1	Altitude	Pass	✓		✓	T-2	Thermal cycling	Pass	✓		✓	T-3	Vibration	Pass	✓		✓	T-4	Shock	Pass	✓		✓	T-5	External short circuit	Pass	✓		✓	T-6	Impact / Crush	Pass	✓			T-7	Overcharge	Not applicable		✓	✓	T-8	Forced Discharge	Pass	✓		
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Reference to assembled battery testing requirements, if applicable(i.e. 38.3.3 (f) and 38.3.3 (g)) Not applicable	Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto, if any: Revision 6, Amendment 1 (2019-)	For air transport only: Does the cell or battery comply with the 30% State of Charge? Not applicable																																																										
PRODUCT CLASSIFICATION FOR TRANSPORT(According to UN-DGP)																																																												
UN Classification, UN3090		Proper Shipping Name: Lithium Metal Batteries																																																										
Signature with name and title of signatory as an indication of the validity information provided. Takashi Kimura / General Manager, Design Department Signature 		This document remains valid as long as no changes, modifications or additions are made to the model(s) described in this document, after being transported from a Manufacturer MAXELL, LTD. The model(s) has(have) been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of the certification. The model(s) must be packaged, labeled and documented according to country and other international regulations for transportation.																																																										
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Date document was generated November 18, 2019																																																												