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|---|--|----------------|
|  | <b>Product Circularity Data Sheet (PCDS)</b> |                |
|   | microZINQ®                                   |                |
|   | PCDS Identity Number                         | Not registered |
|   | Version of the PCDS standard template        | 3.2            |

The PCDS is a product declaration containing standardized information on the circularity of a product. It is not a scoring or rating mechanism, but instead provides standardized data to support uniform metrics for other platforms.

The standard is supported by the Ministry of the Economy of Luxembourg and was created by the consultancy Positive ImpaKT in collaboration with a group of international organizations (pcds.lu).

The PCDS is completed on the basis on how the manufacturer designed its product, and not on how the next user in the value chain intends to use it. The manufacturer is solely responsible for the accuracy of statements.

The PCDS is to be completed in accordance with the Guidance Document version 3.2 ([https://pcds.lu/wp-content/uploads/2020/11/20200214\\_Light\\_PCDS\\_v3.2s\\_FORM.pdf](https://pcds.lu/wp-content/uploads/2020/11/20200214_Light_PCDS_v3.2s_FORM.pdf)). For the sections 2-5, only the statements marked as "TRUE" are visible on the output form.

## SECTION 1: Product and Company Identification

### Product Identifiers

|      |                                 |            |
|------|---------------------------------|------------|
| 1100 | Product name                    | microZINQ® |
| 1101 | Brand                           | ZINQ       |
| 1102 | CAS-No                          |            |
| 1103 | Product ID code                 |            |
| 1104 | Global Trade Item Number (GTIN) |            |

### Manufacturer Identification

|      |  |                    |
|------|--|--------------------|
| 1200 | Company name                                     | ZINQ GmbH & Co. KG |
| 1201 | Street address                                   | Nordring 4         |
| 1202 | City   | Gelsenkirchen      |
| 1203 | Postal Code                                      | 45894              |
| 1204 | Country  | Germany            |
| 1205 | Country specific corporate identification number |                    |
| 1206 | Global Location Number (GLN)                     |                    |

### Production Site Information

|      |                      |                          |
|------|----------------------|--------------------------|
| 1300 | Production Site Name | ZINQ Hagen GmbH & Co. KG |
| 1301 | Street address       | An der Hütte 29-31       |
| 1302 | City                 | Hagen                    |
| 1303 | Postal Code          | 58138                    |
| 1304 | Country              | Germany                  |

### PCDS issuance

|      |  |                        |
|------|--|------------------------|
| 1400 | Version number   | 2                      |
| 1401 | Date of initial PCDS issuance                                  | 02.03.2020             |
| 1402 | Name of person responsible for PCDS issuance                   | Dr. Thomas Pinger      |
| 1403 | Function of person or department responsible for PCDS issuance | Sustainability Manager |
| 1404 | Email of person or department responsible for PCDS issuance    | info@zinq.com          |

|                      |  |                        |
|----------------------|--|------------------------|
| 1405                 | Telephone number of person or department responsible for PCDS issuance | +49 209 9403 400       |
| <b>PCDS revision</b> |  |                        |
| 1501                 | Date of updated PCDS version   | 22.03.2022             |
| 1502                 | Name of person responsible for PCDS revision                           | Dr. Thomas Pinger      |
| 1503                 | Function of person or department responsible for PCDS revision         | Sustainability Manager |
| 1504                 | Email of person or department responsible for PCDS revision            | info@zinq.com          |
| 1505                 | Telephone number of person or department responsible for PCDS revision | +49 209 9403 400       |

## SECTION 2 : Composition/Information on product constituents

### Chemical substance threshold

2002 The chemical substance threshold used by the manufacturer for disclosing the product composition is 0.01% (100 ppm).

### Product composition disclosure

2110 The product composition disclosed at the defined threshold has been validated by a third party.

2120 The product has been awarded an independent certification or standard related to its composition.

### Chemical composition

2207 The weight fraction of all disclosed chemical substances is >99%.

### Hazard Statements

2301 The product does not contain Substances of Very High Concern from the REACH Candidate list in concentration above 0.1% by weight.

2311 The product does not contain substances that have a harmonized classification as CMR 1A or 1B in concentration above classification criteria for mixtures and/or specific concentration limits related to a substance defined in the CLP regulation (EC) n° 1272/2008.

2321 The product does not contain restricted substances that could exceed limits defined in Annex XVII of REACH, related to the specific use which is relevant for this product.

2331 The product does not require a warning under California Proposition 65.

### Pre-consumer recycled content

2402 The product contains >10-25 % pre-consumer recycled content by weight.

2411 Any chemical substance present in the pre-consumer recycled content above 1% by weight is disclosed.

2420 The pre-consumer recycled content does not contain any hazardous substance in concentration above 0.1% by weight of pre-consumer recycled content.

### Post-consumer recycled content

2501 The product contains >0-10 % post-consumer recycled content by weight.

2511 Any chemical substance present in the post-consumer recycled content above 1% by weight is disclosed.

2520 The post-consumer recycled content does not contain any hazardous substance in concentration above 0.1% by weight of post-consumer recycled content.

#### **Sourcing statements**

2606 The product contains >95% renewable content by weight.

2610 A certification is available showing that the renewable content is managed in a sustainable way.

### SECTION 3: Design for better use

#### **Designed for maintenance & repair**

3000 The product can be maintained & repaired by untrained personnel at the location of the product use.

3001 The product can be maintained & repaired by trained personnel at the location of the product use.

3002 The product requires no maintenance or repair if the intended use of the product is followed.

3010 Consumables are easily replaced by untrained personnel.

3020 Spare parts are made available by the manufacturer or an authorized representative during the functional use period of the product.

#### **Designed for safe operation**

3100 No harmful dispersion or emission occurs during use phase according to third party tests.

#### **Designed for actively positive impacts**

3200 The product is designed for actively positive impacts.

### SECTION 4: Design for disassembly

#### **Demounting**

4000 The product is designed to be installed and demounted using reversible connectors.

#### **Disassembling**

4106 Above 95 % of the product (weight in kg) is designed to be cleanly removed from the product.

#### **Dismantling**

4206 Above 95 % of the product (weight in kg) is designed to be dismantled to the level of materials that can be reused or recycled for other products.

### SECTION 5: Design for re-use

**Circularity pathways/scenarios – Product designed for ...**

5000 The product is designed for re-use as-is or with minimal modification.

5010 The product is designed for refurbishment.

5020 The product is designed for remanufacturing.

5037 > 99-100 % of the product content is designed for recycling at the same level of quality.

5040 Less than 1% of the product content is anticipated to become leakage during the use phase due to for example wear & tear, oxidation, erosion, etc.

5050 The manufacturer/ industry association has a dedicated collection system in place to gather and deliver products for recycling.

5060 The portion of the product known to be emitted into the environment during use is designed for that purpose.