

# Material Content Data Sheet

RoHS

| | | | |
|---|---|---|---|
| **Umbrella Spec** | Easy 3B SiC | **Revision** | 01 |
| **Issued** | 13.06.2023 | **Weight*** | 81 g |

| *Construction element* | *Material group* | *CAS-Nr. if applicable* | *Materials* | *Average mass** | *Sum* | *Traces* | *Comment* |
|---|---|---|---|---|---|---|---|
| semiconductors | inorganic material | 7440-21-3 | silicon | 0,2% | 0,3% | | |
| | inorganic material | 409-21-2 | silicon-carbide | 0,1% | | | |
| | non noble metal | 7429-90-5 | aluminum | | | X | |
| | non noble metal | 7440-02-0 | nickel | | | X | |
| substrate | non noble metal | 7440-50-8 | copper | 24,4% | 32,4% | | |
| | inorganic material | 1344-28-1 | aluminum oxide | 7,9% | | | |
| | inorganic material | - | other | 0,1% | | | no duty of declaration |
| bond wire | non noble metal | 7429-90-5 | aluminum | 0,5% | 0,5% | | |
| silicone compounds | polymers | - | silicone-rubber VMQ | 14,0% | 14,4% | | |
| | inorganic material | - | other | 0,3% | | | no duty of declaration |
| | inorganic material | 112945-52-5 | amorphous, pyrogenetic silica | 0,1% | | | |
| housing | polymers | - | PBT | 21,1% | 46,9% | | |
| | inorganic material | - | glass fiber | 14,1% | | | |
| | inorganic material | 1309-64-4 | antimonious trioxide | 4,7% | | | |
| | inorganic material | - | halogen compounds | 4,7% | | | |
| | inorganic material | - | further additives | 2,3% | | | no duty of declaration |
| pins and rivets | non noble metal | 7440-50-8 | copper | 3,8% | 4,0% | | |
| | non noble metal | 7440-31-5 | tin | 0,1% | | | |
| | non noble metal | 7440-02-0 | nickel | | | X | |
| | inorganic material | 7723-14-0 | phosphor | | | X | |
| SMD components | non noble metal | 7439-89-6 | iron | | 0,05% | X | |
| | non noble metal | 7440-02-0 | nickel | | | X | |
| | inorganic material | 1317-36-8 | lead monoxide | 0,01% | | X | RoHS compliant; according to exception 7c. I |
| | non noble metal | 7440-50-8 | copper | | | X | |
| | non noble metal | 7440-31-5 | tin | | | X | |
| tin solder | non noble metal | 7440-31-5 | tin | 1,4% | 1,5% | | |
| | noble metal | 7440-22-4 | silver | 0,1% | | | |
| *deviation | < 25% | | | Sum in total: | 100,0% | | |

***Important Remarks:***

1. This document provides full declaration of all materials present in Infineon products above a threshold of 0,1 % b.w. (1000 ppm).
2. Trace concentrations (i.e. < 0,1 % b.w) present in products are marked with an "X" as far as they represent substances-of-concern.
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