



Material Safety Data Sheet

Schottky Barrier Diode – MBR10L100FCT/H

1. Supplier Material

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| Product name: | Schottky Barrier Diode. |
| Part number: | MBR10L100FCT/H |
| Supplier: | SIRECTIFIER ELECTRONIC CO., LTD. |
| Tel: | +886-2-2698-3658 |
| Fax: | +886-2-2698-3656 |

2. Composition/ Information On Ingredients

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|-----------------------------------|------------------------|
| Material name: | Schottky Barrier Diode |
| Main material harmful ingredient: | Not applicable |
| CAS No. : | As below |
| Content %: | As below |

| Chemistry type: | | |
|------------------|------------|----------------------------|
| Ingredient name. | CAS No. | Concentration (Content %). |
| Cu | 7740-50-8 | 45.19620 |
| Fe | 7439-89-6 | 0.04525 |
| P | 7723-14-0 | 0.00142 |
| Ag | 7440-22-4 | 0.01886 |
| Si | 7440-21-3 | 7.65600 |
| B | 7637-07-2 | 0.00053 |
| Sn | 7440-31-35 | 0.00378 |
| Ni | 7440-02-0 | 0.00872 |
| Al | 7429-90-5 | 0.02216 |
| Epoxy | 29690-82-2 | 39.07370 |
| Others | ----- | 7.97338 |

3. Hazard Identification

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| Most important harmful effects: |
| ▲ Health danger effect: Not applicable. |
| ▲ Ingestion: Not applicable. |
| ▲ Skin contact: Not applicable. |
| ▲ Eye contact: Not applicable. |
| ▲ Environmental effect: If spilled, clean and scrap under government regulation. |
| ▲ Physical and chemical hazards: Not applicable. |
| ▲ Special hazards: Not applicable. |

4. Health Hazards and Emergency/ First-Aid Procedure

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| ▲ Breath protection: Remove to fresh air. Get medical attention for any breathing difficulty. |
| ▲ Skin contact: Wash exposed skin with plenty of soap water. |
| ▲ Eye contact: Wash thoroughly with running water. Get medical help. |
| ▲ Ingestion: Unless ingested in large amounts, no first aid is needed. |
| ▲ Most important harmful effect: Don't ventilation and wear goggles and mask. |
| ▲ Protection for first-aid personnel: Dust hazard. |
| ▲ To prompt doctor: Not applicable. |

5. Fire Fighting Procedure

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| ▲ Suitable fire extinguisher: Normal foam extinguisher or water. |
| ▲ When fire fighting, possible hazard: Heavy smoke. |
| ▲ Special fire fighting procedure: Wear self-contained breathing apparatus and protective clothing. |

6. Accidental Release Measures

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| ▲ Matters needing individual's special attention: No available data. |
| ▲ Environmental matters needing attention: Store it well under good condition, there is no particular environmental hazard. |
| ▲ Cleaning up method: Sweep the floor, if spilled. |

7. Safe Handling and Storage Method

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| ▲ Handling: Mask or dust respirator (avoid inhalation of powder). |
| ▲ Storage: Store in warehouse and keep at 0 ~ 70°C |
| ▲ Expiration: 3 years |
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8. Exposure Controls/ Personal Protection

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| Project control: Install ventilation blower. |
| Individual prevention: ▲ Breath protection: Ordinary Mask. ▲ Hand protection: Clothes glove ▲ Eye protection: Goggles ▲ Skin and body protection: Wear protective gloves and clean body-covering clothing. |
| Health measure: No information available. |

9. Physical and Chemical Properties

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| State of matter: Solid | Shape: Tablets. |
| Color: Black | Smell: Not applicable. |
| pH value: Not applicable. | Boiling point/ boiling point scope: Not applicable. |
| Decomposition temperature: No information. | Dodges the fire point: No information Test method: No data. |
| Natural temperature: No information. | Detonation boundary: No data. |
| Steams the barometric pressure: No data. | Vapor density: No data. |
| Density: Not applicable. | Solubility: Not applicable. |

10. Stability and Reactivity

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| Stability: Stable under ordinary conditions of use and storage. |
| Under the special condition possibly harms responded: Hazardous polymerization will not occur. |
| Conditions to avoid: Heat, flame, ignition sources, dust and incompatibles. |
| Materials to avoid: Addition of amine under uncontrolled condition. |
| Harm resolvent: HBr(>380°C), Complete combustion will emit carbon dioxide and water when heated to decomposition. Incomplete combustion gives in addition carbon monoxide and oxidation products, including phenols and aldehydes. |

11. Toxicological Information

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| Anxious toxicity: Not applicable. |
| Local effect: No available data. |
| Sends the sensitivity: No available data. |
| Slow toxicity or long-term toxicity: Not applicable. |
| Special effect: No available data. |

12. Ecological Information

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| The possible environmental effect/ environment to disseminate: This product can not be disposed directly into the sewage system. |
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13. Disposal Method

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| Disposal method: Follow government regulations. |
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14. Transportation Information

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| International shipping stipulations: Not particular. |
| The United Nations numbers: Not applicable. |
| Domestic shipping stipulations: Not applicable. |
| Special shipping method and matters that need attention: Not applicable |

15. Ships the Material

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| Is suitable the laws and regulations: TSCA: (Toxic substances control act) The ingredients of product are on the 8(b) inventory list. EINECS: (European inventory of existing commercial substance) This product complies with the provision of the European inventory. |
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16. Others

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| Reference | Not applicable. |
| Scheduling unit | Name: SIRECTIFIER ELECTRONIC CO., LTD. |
| | Address: 14F-8, No.77, Sec.1, XinTai 5th Rd. Xizhi City, Taipei County 221, Taiwan |
| | TEL: 886-2-2698-3658 |
| | FAX: 886-2-2698-3656 |
| Scheduling person | Ernest Lee |
| Date | Apr. 2009 |

