# Material Safety Data Sheet

Design Viitor into your FUTURE

1. Product & Manufacturer

| | |
|---|---|
| Product Name: | TVS |
| Product Number: | SMC |
| Supplier or Manufacturer: | Viitor Semiconductor Co., Ltd. |
| Address: | 28 F.-2, No. 86, Sec. 1, Beixin Rd.,Xindian Dist.,<br>New Taipei City 231003, Taiwan |
| Contact Person: | Winters Huang |
| TEL. : | +886-2-2218-2111 |
| Date: | 2026/4/30 |

2. Composition/Information on Ingredients

| Material | Content (per product)wt% | Chemical Composition | CAS No | Content(%)(per homogeneous material) |
|---|---|---|---|---|
| Frame | 38.78% | Copper(Cu) | 7440-50-8 | 99.850 |
| | | Iron(Fe) | 7439-89-6 | 0.110 |
| | | phosphor(P) | 7723-14-0 | 0.040 |
| Plating | 0.22% | Tin(Sn) | 7440-31-5 | 99.90 |
| | | Others | - | 0.10 |
| Dice | 3.70% | Si | 7440-21-3 | 88.98 |
| | | Ni | 7440-02-0 | 0.42 |
| | | Gold | 7440-57-5 | 0.20 |
| | | Glass | 65997-18-4 | 10.37 |
| | | Pb | 7439-92-1 | 0.03 |
| Solder Paste | 1.59% | Lead(Pb) | 7439-92-1 | 92.50 |
| | | Tin(Sn) | 7440-31-5 | 5.00 |
| | | Silver(Ag) | 7440-22-4 | 2.50 |
| Molding Compound | 55.70% | Fused Silica | 60676-86-0 | 40-86% |
| | | Crystalline Silica | 14808-60-7 | 0-30% |
| | | Epoxy Resin | 29690-82-2 | 8-16% |
| | | Phenol Resin | 9003-35-4 | 5-10% |
| | | Me(OH)x | Trade Secret | 0-2% |
| | | P compounds | Trade Secret | 0-2.4% |
| | | Carbon Black | 1333-86-4 | 0.1-0.5% |