

REGI-007 VOC

Rev: 21.12

**Date** 2022.03.09  
**Language** English  
**SDS** 950329



**Summary**

REGI-007 VOC is a halide-free ORL0 classified, alcohol-based flux for wave soldering. It is based on organic acids and leaves hardly any visible residue. The REGI-007 VOC prevents bridging.

| Flux code            | REGI-007 VOC |   |
|----------------------|--------------|---|
| <b>PROCESS</b>       |              |   |
| No-Clean process     |              | 9 |
| Post-solder cleaning |              | 8 |

| INDUSTRY APPLICATION            |  |   |
|---------------------------------|--|---|
| Standard electronics            |  | 8 |
| Industrial electronics          |  | 9 |
| Hi-Rel electronics (automotive) |  | 9 |

| PROCESS CAPABILITY         |  |     |
|----------------------------|--|-----|
| Foam fluxing               |  | 8   |
| Spray fluxing              |  | 9   |
| Short preheat              |  | 6   |
| Short contact time         |  | 9   |
| Pb-free process Air        |  | 9   |
| Pb-free process N2 wave    |  | 9   |
| Pb-free process N2 tunnel  |  | 8   |
| Skipped joints             |  | 9   |
| Solderballing              |  | 8   |
| Bridging                   |  | 9   |
| Promotes wicking           |  | 9   |
| PTH filling                |  | 9   |
| Cosmetic cleanliness       |  | 8   |
| Cosmetic cleanliness N2    |  | 9   |
| Shiny joint appearance     |  | 8   |
| Pin testability            |  | 9   |
| Conformal coating (see AN) |  | TBD |

| Legend   |        |
|--|--------|
| <i>Especially made for this purpose</i>          | 9 - 10 |
| <i>Generally qualified for this purpose</i>      | 7 - 8  |
| <i>Generally usable, but not the best choice</i> | 5 - 6  |
| <i>Generally not usable for this purpose</i>     | 3 - 4  |
| <i>Wrong choice</i>                              | 1 - 2  |

**Check material compatibility with every process change!**  
**Industrial chemical product.**  
**Read SDS before use.**

**Disclaimer:**  
 This information is intended as advice to the best of our knowledge. The provided data is based on our own measurements, they do not provide any guaranteed properties nor are these delivery specifications. Due to the versatility of materials, applications and taking in consideration the industrial property rights of third parties, Balver Zinn Josef Jost GmbH & Co. KG cannot take any liability.

| CLASSIFICATION          |      |
|-------------------------|------|
| DIN EN ISO 9454-1: 2016 | 2131 |
| IPC-J-STD-004-A: 2004   | ORL0 |

| PROPERTIES     |                |           |
|----------------|----------------|-----------|
| Density        | @20°C [kg/dm³] | 0.800     |
| Solid content  | [% w/w]        | 4.0       |
| Acid number    | [mg KOH/g]     | 32.3      |
| Water content  | [% w/w]        | 0         |
| VOC content    | [% w/w]        | Remainder |
| Filmformer(s)  |                | Organic   |
| Color          |                | Colorless |
| Odor           |                | Alcoholic |
| Flashpoint COC | [°C]           | None      |
| Thinners       |                | 425-00    |

| TEST REPORTS              |                     |                    |         |
|---------------------------|---------------------|--------------------|---------|
| Certificate of Compliance |                     |                    | Website |
| Application Note          |                     |                    | EN/DE   |
| Copper Mirror             | IPC-TM-650 2.3.32   |                    | Pass    |
| Halides                   | IPC-TM-650 2.3.33   | [Silver Chromate]  | Pass    |
| Halide                    | IPC-TM-650 2.3.35.1 | [Fluoride by Spot] | Pass    |
| Copper Corrosion          | IPC-TM-650 2.6.15   |                    | Pass    |
| SIR                       | IPC-TM-650 2.6.3.3  |                    | Pass    |
| ECM                       | IPC-TM-650 2.6.14.1 |                    | Pass    |

| PACKAGING AND STORAGE |                |     |
|-----------------------|----------------|-----|
| Packaging can         | (HDPE) [liter] | 10  |
| Packaging Drum        | (HDPE) [liter] | 200 |
| Shelf-life in months  |                |     |
| Storage temperature   | 20-25 °C       | 8   |