

Technical Datasheet **BECE HAL-BIC-FLUX 7055**

1. Description:

BECE HAL-BIC-FLUX 7055 is specially designed for the soldering of printed circuit boards in vertical Hot-Air-Levelling systems.

BECE HAL-BIC-FLUX 7055 is resistant against high temperatures and is suitable for lead-free solder processes excellently.

BECE HAL-BIC-FLUX 7055 guarantees excellent solder results by a good activation.

BECE HAL-BIC-FLUX 7055 reduce surface tensions and remove oxide residues from copper surfaces.

BECE HAL-BIC-FLUX 7055 prevents solder balls from sticking to the board or the solder mask surface during the hot-air-levelling process.

BECE HAL-BIC-FLUX 7055 can easily be removed with water after the soldering process.

BECE HAL-BIC-FLUX 7055 provides high gloss and uniform solder surfaces.

BECE HAL-BIC-FLUX 7055 prevents solder from splashing and therefore keeps the equipment clean. It's carrier system allows "wet-in-wet" processing.

BECE HAL-BIC-FLUX 7055 is soluble in cold water without gelatinizing.

BECE HAL-BIC-FLUX 7055 does not show any interaction with solder masks of leading manufactures (such as discoloration or bleeding) and enables best insulation resistance.

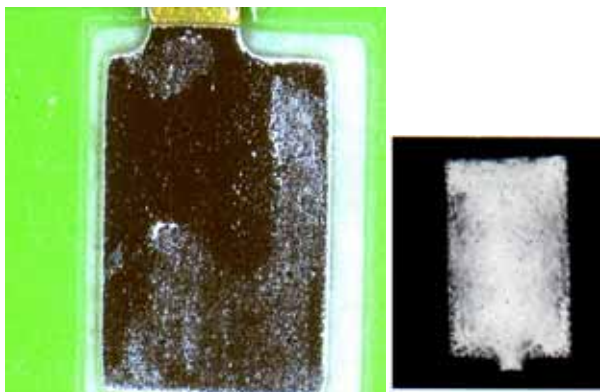
The contents substances of **BECE HAL-BIC-FLUX 7055** are biologically degradable.

2. Decisive advantages:

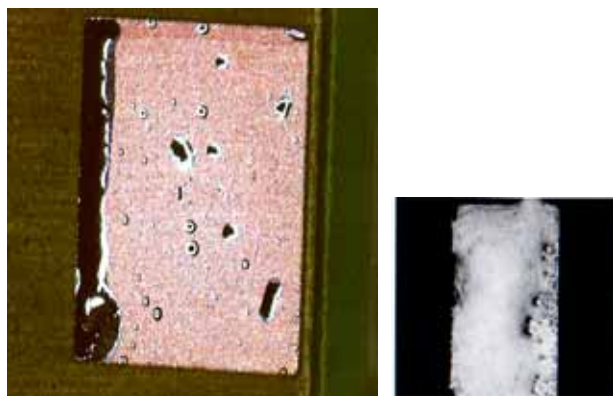
- Fast reduction of surface tension
- No corrosion of the equipment, because **BECE HAL-BIC-FLUX 7055** is chloride-free
- Uniform solder layers
- Efficient elimination of copper oxide residues
- Excellent for the SMD-technique
- Compatible with all established solder masks
- No drying up

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- 100% water-soluble
- No foam formation during rinsing
- Flashpoint over 290°C
- Designed and suitable for all vertical HASL-equipment.



finished surface after soldering with
HAL-BIC-FLUX 7059.



finished surface after soldering
with a competitive product.

3. Directions:

- **BECE HAL-BIC-FLUX 7055** is ready to use.
- **BECE HAL-BIC-FLUX 7055** is coated advantageous in a roller process.

4. Bath control:

- To keep viscosity stable **BECE HAL-BIC-FLUX 7055** shall be constantly adjusted by refilling.

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5. Physical characteristics:

<u>Shape:</u>	slightly viscous fluid
<u>Colour:</u>	colourless to slightly red
<u>Odour:</u>	mild
<u>pH-value:</u>	< 3
<u>Density 20°C:</u>	1,12 +/- 0,020 g/cm ³
<u>Dissolubility in Water:</u>	100%
<u>Flashpoint:</u>	> 290°C (COC – Method)
<u>Ignition temperature:</u>	> 400°C

6. Storage:

- To be stored only in original containers between 10 and 32 °C.
- Keep out of sun.
- Keep containers always closed

7. Packaging:

Available in following packaging:

- 20 kg canister
- 200 kg drum
- 1000 kg IBC

Remarks:

The above information is true and accurate to the best of our knowledge. We suggest any recommendation should be taken only as a guide for best utilizations of our products, without any warranty from us.

However, we guarantee the quality of our products to be in good order and condition at the time of delivery according to the product specification given.

For further information or advice please contact our technical customer service.

BECE Leiterplatten-Chemie GmbH
Industriepark Soonwald 6

D-55494 Rheinboellen
Germany

Tel.: +49 (0) 6764 / 96 11 01
Fax: +49 (0) 6764 / 96 11 03
E-mail: service@bece-chemie.de
www.bece-chemie.de