



## LIQUID FLUX C22SH 0.5%

Halogen and rosin free flux

### PRODUCT DESCRIPTION

C22SH 0.5% is a halogen free flux to be used in the assembly of electronic compounds. This flux will provide excellent results. C22SH 0.5% is based on a newly formulated carrier system, which does not leave corrosive or conductive residues on the surface after soldering. Based on the proprietary chemistry extreme good results are obtained in regard to surface insulation resistivity. For high integration of electronic compounds, C22SH 0.5% will provide all the characteristics, which are described in the test procedure of the DIN EN 29454-1. In addition, much higher surface resistivity is achieved when tested at high rel. humidity, what allows using this flux for the most sophisticated electronic applications.

### PRODUCT PROPERTIES

- Rosin free
- No-Clean
- for spraying
- Halogen free
- Good wetting

In accordance with:  
 DIN EN 29454-1: 2.2.3.A  
 ANSI J-STD-004: OR L0

### APPLICATION

C22SH 0.5% is suitable for the assembly of electronic device for OEM, communication, military, air- and space Electronics. It can be used also for consumer electronics. The exceptional properties can be used to optimize SMD assembly.

### PROCESSING PROPERTIES

C22SH 0.5% can be used in soldering machines with spray-fluxer. The application of flux to the printed circuit boards is made with spaying equipment.

### PROCESSING PARAMETERS - RECOMMENDATION

<b>Preheating:</b>	ca. 90 - 100 °C PCB top side
<b>Amount of flux:</b>	ca. 25 - 30 ml / min
<b>Transportation speed:</b>	ca. 0.8 - 1.2 m / min
<b>Solder bath temperature:</b>	ca. 255 - 265 °C

## CLEANING

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Since the PCB surfaces are generally residue-free after soldering when using the C22SH 0.5% flux, cleaning is not required after soldering. There are some specifications calling for cleaning. In such cases, the use of a cleaner is recommended. The cleaner removes all residues and provides a clean surface. In addition, a high SIR-value will be the result of the cleaning process.

## PHYSICAL PROPERTIES

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<b>Specific Density 20°C</b>	0.809 g/cm <sup>3</sup>
<b>Solid Content</b>	2.5 %
<b>Acid Value</b>	17.2 mg KOH /g
<b>Color</b>	clear

## DELIVERY FORMS

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- 2.5 L - 10 L - 25 L cans
- Other sizes by request

## NOTE

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Our recommendations for the technical handling by word, writing and by tests ensues our best knowledge yet is nothing but an unobliging instruction, also in respect on possible protective rights against third parties and does not free from own tests of the delivered products regarding the suitability for your intended procedures and purposes. Usage, procedure and application happens outside of our possibilities of control and this lie outside our responsibility. Should nevertheless arise a liability it shall be limited to the value of the delivered and used product of our manufacture. We guarantee of course the faultless quality of our products in accordance with the general conditions of sale and delivery.