


Updated: 15/04/2020	Technical Data Sheet	
Ref. : Flux	Soldering Flux Type <u>MBO 45</u>	
Creation date: 08/03/2001	No Clean flux	



1 – GENERAL CHARACTERISTICS :

- **MBO 45** is specifically manufactured to leave no residue after flow soldering, so eliminating the need for post cleaning of circuit, offering an appreciable gain of production time.
 - Dirt accumulation in machines and on circuit boards carriages is also reduced.
 - Soldering efficiency is equal to resinous flux, type RMA.
 - Halide free, it leaves no corrosive elements after processing.
- MBO 45** flux is manufactured to conform European Standards.

2 – PHYSIOCHEMICAL CHARACTERISTICS :

- | | |
|-----------------------------|------------------------|
| a) Solution | : Alcoholised |
| b) Colour | : Colourless |
| c) Density at 20°C | : 0.803 +/- 0.5% |
| d) Non volatile content | : 1.7 % |
| e) Chlorine rate | : Halide free |
| f) Flash point | : 18°C |
| g) Acidity | : 13.3 +/- 0.5 mg/g |
| h) Corrosiveness | : None |
| i) Insulation resistance | : > 100 GΩ |
| j) Efficiency (SAR) | : <30° SAR – grade III |
| k) J-STD 004 classification | : ORL0 |


3– INSTRUCTION OF USE :

Flux MBO 45 can be used with all fluxing systems – spray, foam, sprinkle, dipping, etc. in all types of automatic machines (single or double wave).

Carry out a regular check of the density or acidity index and maintain the level by adding **DILUANT D45**. Nominal density is 0.800 to 0.810 @ 20°C.

The circuit topside drying temperature after fluxing should be 90 to 100°C.
The alloy bath temperature should be between 235 and 260°C.

Conveyor speed should be between 0.8 and 2 meters per minute, depend on the type of circuit. Contact time between circuit and solder wave should not exceed 4 seconds.

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4 – MISCELLANEOUS :

Health and Safety : As with all soldering fluxes, **MBO 45** must be used in a well ventilated area away from any source of flame or ignition.

Packaging : Throwaway plastic containers of 5, 10 and 20 litres.

Storage : In original hermetically sealed containers, stored at an ideal temperature near 20°C for 12 months maximum.

ADDITIONAL INFORMATION:

Our manufacturing processes have been subjected to FMECA analysis (equivalent of AMDEC in France).



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