Data sheat OLPX ma2500NC — No-Clean Flux Gel

Rosin Mildly Activated (RMA) OLPX ma2500NC is an advanced no-clean flux gel designed for professional soldering of SMD and BGA components. Its optimized
gel-like consistency ensures precise application, stability under heat, and excellent solder joint quality.

Features:

• **No-clean formula** — residues remain transparent, non-corrosive, and electrically insulating or removed with alcohol if needed.

• **Thick consistency** — stays in place, easy to apply accurately.

• **Component fixation** — holds SMD parts securely during soldering.

• **Mildly activity** — efficiently removes oxides and improves solder wetting.

•**Clean finish** — leaves no sticky residues, does not attract dust or moisture.

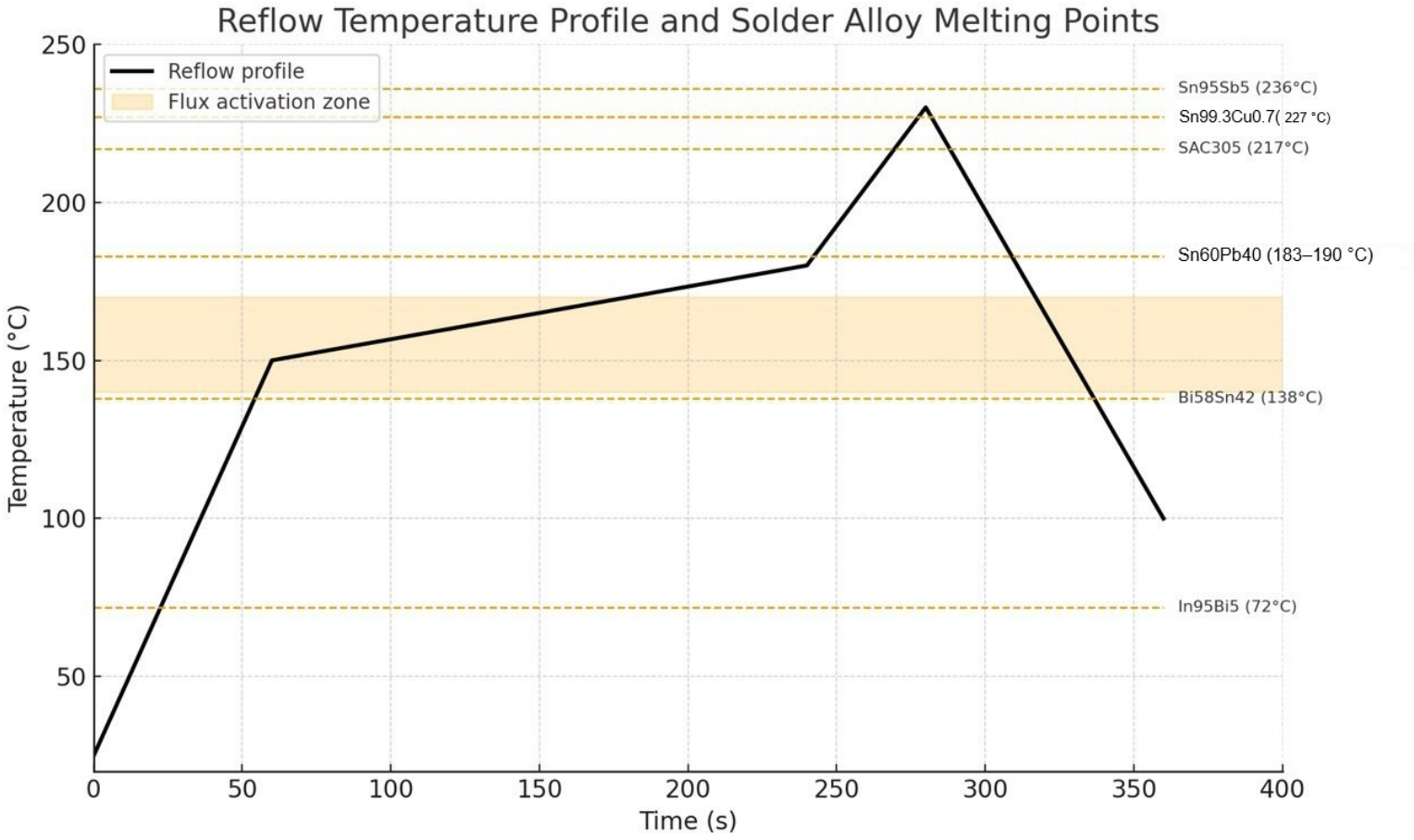
📌 **Summary:**
OLPX ma2500NC is the perfect choice for service centers, production lines, and hobbyists. It combines ease of use, reliability, and a no-clean formula that ensures stable results even in demanding soldering applications.

Flux Paste Properties

Properties	Value
Flux Classification	ROL0
Flux Type	Rosin
Flux Activity	Low
Halogen content	<0,05%
Corrosion Test	Non-corrosive
Surface Insulation Resistance (SIR) before thermal profile:	>2 GΩ under voltage (250v)
Surface insulation resistance (SIR) after thermal profile:	>5.5 GΩ under voltage (250v)
Cleaning requirements	None
Flux residues after thermal profiling	Solid transparent
Viscosity at 25 °C:	~25,000–35,000 mPa·s

Non-Contact Soldering with OLPX ma2500NC

Solder Alloy	Composition	Melting Point (°C / °F)	Compatibility with OLPX MA-2500NC
Sn60Pb40	60% Sn / 40% Pb	183–190 °C / 361–374 °F	Fully compatible
Sn63Pb37 (Eutectic)	63% Sn / 37% Pb	183 °C / 361 °F	Ideal, fast soldering
SAC305	96.5% Sn / 3% Ag / 0.5% Cu	217–220 °C / 423–428 °F	Good compatibility
Sn99.3Cu0.7	99.3% Sn / 0.7% Cu	227 °C / 441 °F	Stable performance
Sn95Sb5	95% Sn / 5% Sb	232–240 °C / 450–464 °F	Compatible, requires slightly higher temp
Bi58Sn42	58% Bi / 42% Sn	138 °C / 280 °F	Close to flux activation threshold
In95Bi5	95% In / 5% Bi	72 °C / 162 °F	Too low: solder melts before flux activation
95/5 (Sn95Sb5)	95% Sn / 5% Sb	232–240 °C / 450–464 °F	Compatible
97/3 (Sn97Cu3)	97% Sn / 3% Cu	227 °C / 441 °F	Compatible



Safety Instructions for Using OLPX ma2500NC Flux

OLPX ma2500NC flux is designed for professional soldering of electronic components.
The product does not contain halogens and chlorides.

RoHS 3 COMPLIANT EU 2015/863

“This product is in compliance with RoHS 3 Directive (EU) 2015/863 — free of lead, cadmium, mercury, hexavalent chromium, PBB, PBDE, DEHP, BBP, DBP, and DIBP.”

1. General Requirements
- Use the flux only for its intended purpose — soldering electronic components.
- Avoid contact with skin and eyes.
- Work in a well-ventilated area or use local exhaust ventilation.

2. Personal Protective Equipment (PPE)
- Hands: disposable nitrile or latex gloves.
- Eyes: safety goggles when working with large amounts or during soldering.
- Respiratory protection: generally not required, but in poorly ventilated areas during intense heating, a mask with an organic vapor filter is recommended.

3. Storage Conditions
- Store in a tightly sealed container at +5 to +25 °C.
- Avoid direct sunlight and heating above +40 °C.
- Keep away from moisture and open flames.

4. Safety Measures During Work
- Do not heat the flux with an open flame.
- Use fume extraction or open windows during soldering — fumes from rosin and activators may irritate the respiratory tract.
- Do not eat or drink during work and avoid touching your face with your hands.

5. First Aid
- Skin contact: wash with warm water and soap. If irritation occurs, seek medical attention.
- Eye contact: rinse thoroughly with plenty of water for 10–15 minutes and seek medical attention if necessary.
- Inhalation of fumes: move to fresh air. Seek medical attention if irritation occurs.
- Accidental ingestion: do not induce vomiting, rinse the mouth with water, and seek medical help immediately.

6. Disposal
- Do not pour residues into the sewage system.
- Dispose of waste as chemical/industrial waste according to local regulations.
- Empty containers can be disposed of as household waste after complete cleaning.