



# TM 900S

## ANTI-SEIZE COPPER PASTE

### DESCRIPTION

**TM 900S** is a high performance anti-seize lubricating mounting paste, developed for easy assembly and disassembly of threaded connections and parts subjected to extremely harsh temperature applications (up to 1100°C).

**TM 900S** is formulated with finely micronized premium quality copper particles to provide continuous lubrication whilst reducing friction, galling and wear of mechanisms operating at low speed and high temperature.

**TM 900S** seals metal from oxidizing atmosphere, reducing the risk of seizing up and corrosion of surfaces in contact in a wide range of industrial applications.

### APPLICATIONS

**TM 900S** is used in metalworking, automotive, marine, aircraft and industrial markets over a wide variety of applications.

**TM 900S** is excellent for use on equipment, engines, exhaust systems, and machinery where seized or welded bolts and fittings make maintenance an expensive task.

Highly recommended in applications such as opening control of steel ladle nozzles, rotating and with sliding valves in steelworks; treatment of tools, axles and rollers; assembly of turbines pins; automotive battery terminals and all mechanical parts requiring disassembling and re-assembling, glass industry, brickyards...

**TM 900S** should be used only in static application or for mechanisms operating at low speed.

### PRODUCT BENEFITS

- Prevents seizing, galling, pitting and heat corrosion of equipment operating at high temperatures
- Provides a strong tough and durable permanent protection on metal parts against rust and oxidation.
- Assures long term static lubrication at temperatures as high as 1100°C thanks to high copper content
- Extremely resistant to damp atmospheres, will not emulsify thanks to its inorganic gelling agent
- Seals out Moisture and protects parts against costly corrosion damage.
- Facilitates metal flow and permits repairing of threads parts without using screws, taps or threading dies.
- Makes tighter and firmer joints possible, thanks to a very low coefficient of friction
- Permits easy hassle free dismantling saving costly down-time and maintenance expense
- Long lasting and will not evaporate or harden in extreme temperatures
- Inert on metals and synthetic rubber, reducing friction and wear on all metal-to-metal and metal-to-synthetic rubber contacts.
- Exceptional electrical and Thermal Conductivity
- Avoids electrical arcs
- Lead free
- Extends life of installations exposed to very high temperatures for prolonged periods.

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The ORAPI Group designs, manufactures and markets " Highly Technical Solutions" for Maintenance Repair and overhaul of machines and equipments. The Group is present in over 100 countries with 32 subsidiaries and an international network of import-distributors. The Group operates 7 manufacturing plants and 4 laboratories of R&D. ORAPI is certified ISO 9001 and ISO 14001.

## PHYSICAL PROPERTIES

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Colour ..... copper  
Nature of the base ..... Mineral paraffinic base oils, high viscosity  
Nature of thickener..... inorganic  
Penetration 60 cps (NFT 30-132) ..... 310/340  
Nature of loads..... pure micronized lamellar copper  
Operating temperature range ..... - 40° C to + 1100° C (dry lubrication)  
Drop point (NFT 60 102) ..... none  
NLGI grade ..... 1  
Average granulometry..... 16m  
Dielectric conductivity .....  $\approx 2.25 \cdot 10^8 \Omega^{-1} \text{ m}^{-1}$   
Classification HMIS Rating (H-F-R) ..... 0-0-1

## DIRECTIONS

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Clean parts to be coated; do not mix with any other paste.

Bulk: Apply in thin layers to surfaces.

Aerosol: Shake well before using. Spray 20cm from surfaces to be treated.

*For further information, please refer to Materials Safety Data Sheet.*

## STORAGE & SAFETY

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Two years, stored in closed original packaging at ambient temperature.

Bulk: Under normal condition of use, no specific hazard.

Aerosol: Flammable product. Do not expose to temperature exceeding 50° C. Do not use on incandescent, warm body or near a source of heat.

Always use in well ventilated areas. Wear gloves and glasses.

## PACKAGING

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Aerosol 340gm x 12	(Ref. O-600-A3)
Brush Top Can 300ml x 6	(Ref. O-600-B4)
Tin 1Kg x 6	(Ref. O-600-B7)
Tin 500gm x 12	(Ref. O-600-B6)
Pail 5Kg	(Ref. O-600-S5)
Drum 25Kg	(Ref. O-600-O2)

## WARRANTY

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