

MAHIR[®]

Surface Protector

Machine Cooling Grade - 1:7

Inhibited Glycol Mahir Surface Protector For Chiller



ANTI-CORROSIVE WATER COOLING LIQUID

SYNTHETIC POLYMERS BASED

WITH METAL PROTECTION INHIBITORS

CHILLER EVAPORATOR MACHINE

**Non
Toxic
Grade**

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MAHIR Surface Protector...

Advanced Water-Based Cooling Solution from Gokulam Industries LLP

Smart Cooling, Long-Lasting Protection

MAHIR Surface Protector is a specially formulated, polymer-based cooling water solution designed to extend the life and performance of industrial water chillers, evaporators, molds, and machinery. Manufactured by Gokulam Industries LLP, MAHIR is trusted by top brands across diverse industries for its exceptional heat transfer, anti-corrosive properties, and eco-friendly formulation.

Why Choose MAHIR Surface Protector – 1:7?

- Polymer-Based Cooling Water – Specially researched, synthetic polymer formulation
- Enhanced Equipment Life – Ideal for chillers, evaporators, molds, and more
- Corrosion-Free | Scale-Free | Maintenance-Free – Zero internal surface damage
- Excellent Heat Transfer Efficiency – Stable and highly conductive formula
- Long-Lasting Protection – Performance life of up to 4–5 years
- Extreme Temperature Resistance – Operational range up to -70°C
- Eco-Friendly & Non-Toxic – Safe for both equipment and environment

How It Works

MAHIR 1:7 forms a thin, water-soluble protective film over internal components such as copper, brass, mild steel, stainless steel, rubber, and plastic. This protective layer prevents rust, scaling, and corrosion—ensuring optimum heat exchange and reduced maintenance.

Recommended for use in Closed-Loop Cooling Systems only.

- Not suitable for open-loop systems (e.g., Cooling Towers).
- Regular cleaning (monthly/quarterly) of condensers is advised using descalant powder.



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Application Areas:

MAHIR is widely used in a variety of industries including:

Rastics & Rubber · Food & Beverage · Dairy · Pharmaceuticals · Chemical & Packaging · Casting & Cement
· Renewables & Insulation

Perfect for any water-cooled system using chillers, evaporators, molds, drums, and other temperature - sensitive machinery.

Customized Solutions to Fit Your Needs :

We offer tailored coolant solutions based on specific freezing temperature ranges: 7°C, 5°C, 0°C, -5°C, -10°C, -15°C, -20°C, and more — all developed to meet ASTM D 1384 / JIS K 2234 international standards.

Available Formulations:

1. MCG 1:7 – Non-glycol, Polymer-Based (Water-dilutable)
2. Ethylene Glycol-Based – Ready-to-use Industrial Grade
3. Propylene Glycol-Based – Food-Grade, Ready-to-use

Dilution Ratio:

MAHIR Surface Protector - 1:7

Mix 1 Litre MAHIR with 7 Litres of De-mineralized (DM) or RO water

Clients Who Trust MAHIR :

We proudly serve industry leaders like:

Texmo · Kirloskar Electric · CRI · Kataria Snacks · Goldcoin · 3B Films Pvt. Ltd. · Granula Masterbatches · Vinay Wires & Poly Products Pvt. Ltd. · Vasu Metplast Pvt. Ltd. · Chiripal Poly Films Limited · Makson Pharmaceuticals · Balaji Wafers · Aerolam Insulations · LGR Ausom LLP · Vishakha Renewables Pvt. Ltd. · IMEX · Constantia Parikh (Cflex) · Suvjay Industries India LLP · Etc.

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About Gokulam Industries LLP :

Established in 1992, Gokulam Industries LLP has emerged as a market leader in the manufacturing of advanced cooling solutions for the HVAC and industrial equipment sectors. Our flagship product, MAHIR Surface Protector, is a trusted name across the submersible, open-well, and self-priming pump set industries, and is widely used as a high-performance industrial cooling liquid in:

Chillers | Evaporators | Machinery cooling systems | Automobile Radiators

Backed by extensive R&D and market-driven innovation, MAHIR is engineered to provide superior heat transfer efficiency, corrosion resistance, and long-term surface protection—ensuring optimal performance and extended equipment life.

Award-Winning Innovation

Gokulam's commitment to innovation has been recognized with a National Award for Innovation in Water Cooling Technology, a testament to our relentless pursuit of excellence and quality.

Global Reach, Local Excellence

Today, MAHIR stands as a globally recognized brand, with a presence across India and exports to leading markets in Asia, Africa, Europe, and Latin America. We also offer OEM partnerships, providing customized packaging and branding solutions to suit diverse client needs.

State-of-the-Art Infrastructure

Headquartered in Rajkot, Gujarat, our 15,000 sq. ft. facility is equipped with cutting-edge technology, modern laboratory infrastructure, and a rigorous quality control system. Our streamlined manufacturing process and dedicated production lines allow for precision and efficiency in every batch we produce.

Comprehensive Product Range

From general-purpose to application-specific coolants and surface protectors, Gokulam Industries offers a comprehensive portfolio of solutions tailored to a wide spectrum of industrial applications. Our products are available in varied packaging options, ensuring ease of use and convenience for end-users.

Innovation. Integrity. Performance.

At Gokulam, we're driven by a passion to create eco-conscious, high-performance cooling solutions that add real value to your operations—without compromising on quality or safety.

MFG. By :



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