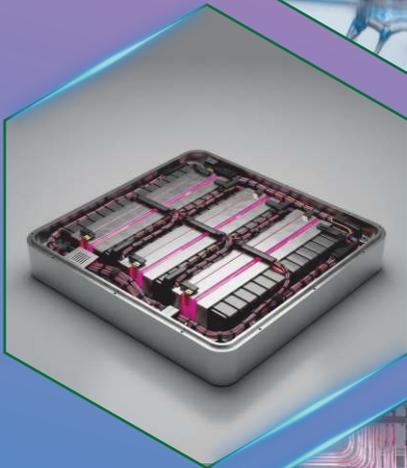


GLYCOL - BASED COOLANTS

Empowering Batteries & Data Centers to
Run Cooler, Safer & Longer



QuantiCool EG 50

Ethylene-Glycol Coolant for BESS & EV Battery Systems

Savsol QuantiCool EG 50 sets a new benchmark in next-generation glycol-based battery coolants. Its advanced 50:50 blend of ethylene glycol and de-ionized water is engineered for exceptional thermal control, ensuring robust heat transfer and uniform temperature balance across battery modules and packs. This superior cooling performance enables faster charging, extended battery life, and reliable operation under demanding duty cycles.

Formulated with state-of-the-art Organic Acid Technology (OAT) inhibitors, EG 50 provides durable protection for multi-metal systems — shielding aluminum, copper, steel, and solder components from corrosion without the use of nitrites, phosphates, silicates and amines. Its low-toxicity formulation and stable chemistry deliver dependable long-term performance while maintaining environmental safety.

The ultra-clean, zero-foam formulation prevents deposits in narrow cooling channels and compact heat exchangers. Combined with its excellent storage stability, EG 50 ensures consistent cooling efficiency throughout its service life. Its proven compatibility with a wide range of materials guarantees leak-free, trouble-free performance across modern BESS and EV battery systems.

Manufactured under rigorous quality control in Savita's State of the Art Coolant Manufacturing facilities that are approved by Global and Indian OEM's, each batch of EG 50 is tested for thermal efficiency, chemical stability, and corrosion resistance to assure unmatched reliability and performance.

Result: A premium, sustainable, and low-toxicity coolant that delivers superior heat management, long-term protection, and performance excellence for BESS modules, EV battery packs, and next-generation energy systems.

Savsol Quanticool (EG 50) -Technical Data Sheet

Property / Test Parameter	Test Method	Result
Appearance	Visual	Bright & Clear
Colour	Visual	Pink
Density @20°C (gm/cc)	ASTM D1122	1.080
pH	ASTM D1287	7.5-8.5
Freezing Point (°C)	ASTM D1177	-42
Reserve Alkalinity (ml)	ASTM D1121	5.36
Refractive Index @ 20°C	ASTM D3321	1.3903
Boiling Point (°C)	ASTM D1120	110
Foaming (ml)	ASTM D1881	0 – 0
Glassware Corrosion Test	ASTM D1384	Passes



QuantiCool PG 25

Propylene-Glycol Coolant for Data Center Direct Liquid Cooling (DLC) Systems

QuantiCool PG 25 is a precision-engineered propylene-glycol-based coolant designed exclusively for Direct Liquid Cooling (DLC) of modern data centers. With an optimized 25% Propylene Glycol concentration, PG 25 provides robust heat transfer, efficient flow, and dependable freeze protection — keeping high-density servers, CPUs, and GPUs running cooler and more efficiently even under continuous AI and HPC workloads.

Developed with advanced Organic Acid Technology (OAT) inhibitors, PG 25 protects multi-metal cooling circuits against corrosion while eliminating the use of nitrites, phosphates, silicates, and amines. This low-toxicity, eco-responsible formulation combines energy efficiency with safety and long-term reliability, making it ideal for mission-critical data-center operations.

The fluid's stable chemistry and clean, zero-foam formulation prevent scaling or deposits in micro-channel cold plates and heat exchangers, ensuring uninterrupted flow and minimal maintenance. With outstanding material compatibility — including metals, plastics, seals, and hoses — PG 25 safeguards every component of the cooling loop, guaranteeing long-term system integrity.

PG 25 is built for consistency and endurance, offering excellent storage stability in both concentrated and diluted states. Each batch undergoes rigorous testing for glycol concentration, corrosion resistance, and performance to deliver a high-purity, ready-to-use solution for advanced DLC systems.

Result: A robust, low-toxicity coolant that delivers reliable heat transfer, enhanced energy efficiency, and long-life corrosion protection — powering the next generation of AI, HPC and cloud data centers with sustainable precision.

Savsol Quanticool (PG 25) -Technical Data Sheet

Property / Test Parameter	Test Method	Result
Appearance	Visual	Bright & Clear
Colour	Visual	Blue
Density @20°C (gm/cc)	ASTM D1122	1.023
pH	ASTM D1287	7.5 to 8.5
Freezing Point (°C)	ASTM D1177	-15
Reserve Alkalinity (ml)	ASTM D1121	3.0
Refractive Index @ 20°C	ASTM D3321	1.36
Boiling Point (°C)	ASTM D1120	105
Foaming (ml)	ASTM D1881	0-0
Glassware Corrosion Test	ASTM D1384	Passes



Why Choose QuantiCool™ and Savita Oil Technologies Limited

As India's pioneer in ester- and glycol-based cooling solutions, Savita Oil Technologies Limited brings over six decades of formulation and manufacturing expertise to the field of thermal management. Savita stands among the select few globally integrated producers offering both ethylene-glycol and propylene-glycol coolants engineered for Direct Liquid Cooling (DLC) applications - covering Data Centers, Battery Energy Storage Systems (BESS) and Electric Vehicle batteries under one unified brand: QuantiCool™.

Savita's advanced facilities feature automated blending and filling operations. Its DSIR (Dept. of Scientific & Industrial Research) recognized R&D center, operational since 1976, conducts in-depth testing for thermal performance, material compatibility, and long-term stability as per IEC and ASTM standards ensuring every QuantiCool™ product meets or exceeds global OEM benchmarks.

Through backward integration Savita guarantees purity levels and a secure supply chain. This vertical integration ensures reliability, consistent quality, and timely delivery - key advantages for hyperscale data-center and e-mobility deployments.

With over 60 years of trust, technical expertise, and sustainability commitment, Savita and QuantiCool™ are not just suppliers they are engineering partners enabling safer, smarter, and greener cooling for the future.



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