

GLYCHILL™ WTC

Low Toxic Biodegradable Coolant and Heat Transfer Fluid



PRODUCT OVERVIEW

PrixMax GLYCHILL™ WTC is a ready to use, low toxic, extended life antifreeze/coolant based on propylene glycol that is designed for use in all closed loop liquid-cooled wind turbine systems. This technically advanced formulation provides exceptional long life corrosion protection for cooling system components (including aluminium heat exchangers) and freeze protection down to -17°C. This coolant is ideal for use where a non-hazardous, low toxic and environmentally safe product is required.

PRODUCT BENEFITS

- Exceptional protection against pitting, corrosion and erosion for all system metals including light metals (such as aluminium)
- Excellent heat transfer properties
- Recommended for all wind turbine liquid cooling systems
- Protects against winter freeze up
- Biodegradable in its pure unused form
- NO Australian Poisons Schedule, HAZCHEM, Dangerous Goods or GHS hazardous chemical classification
- Nitrite, amine, phosphate, and silicate (NAPS) free meeting global OEM conventions for environmentally sustainable formulations
- Contains no borate or nitrates
- Compatible with similarly formulated coolants and most conventional antifreeze coolants

APPLICATIONS

GLYCHILL™ WTC is recommended for wind turbine liquid cooling systems requiring a low toxic, environmentally friendly, non-hazardous glycol/water heat transfer fluid.

PERFORMANCE STANDARDS

GLYCHILL™ WTC meets ASTM D1384 standards for corrosion protection.

TECHNICAL CHARACTERISTICS

Property	Method	Typical Results
pH	ASTM D1287	9.0
Density, g/ml, 20°C	ASTM D1122	1.035
Freezing Point °C		-17
Storage Stability		> 2 years

tolerance. Variations in product typical results are to be expected during normal manufacture.

MAINTENANCE

Dilutions

This product is designed to be dosed neat to the cooling system. **Do not dilute with water.**

The relationship between dosage rate and freezing/boiling protection offered by GLYCHILL™ WTC is illustrated as follows:

GLYCHILL™ WTC	Water	Freeze Protection
1 part	N/A	-17°C

PrixMax has the complete manufacturing flexibility to formulate a product for environments and applications requiring greater freeze point protection.

General

- GLYCHILL™ WTC is compatible with most other heat transfer fluids based on propylene glycol. Exclusive use of GLYCHILL™ WTC is, however, recommended for optimal corrosion protection.
- Always dispose of the used coolant in accordance with local, state and federal guidelines.

STORAGE AND HANDLING

GLYCHILL™ WTC should be stored above –15°C and preferably at ambient temperatures. Periods of exposure to temperatures above 35°C should be minimised. Exposure of the coolant in translucent packages to direct sunlight can degrade the dyes present in the coolant, and result in fading of the colour or discolouration over time. This process can be accelerated if coupled with high ambient temperatures. The colour change will not affect the performance of the coolant only the appearance. Therefore coolant in translucent packages should be stored INDOORS.

Provided the product is stored in accordance with good practice as above in unopened, new containers, the coolant has a shelf life of up to 8 years. The use of galvanised steel is not recommended for any part of the storage/mixing process.

TECHNICAL SUPPORT

Full technical support of the PrixMax laboratory is available through our ASTM qualified in-house laboratories, located at the manufacturing plant in Victoria, Australia. Testing services are available from our laboratory staff and technical product managers to assist in the use of GLYCHILL™ products.

PACK SIZES

Please contact your local area sales manager on availability of packages and dilutions.

TOXICITY AND SAFETY

ENVIRONMENT, HEALTH and SAFETY Information is available on this product in the **Safety Data Sheet (SDS)**. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal.

To obtain the SDS for this product, please contact us.

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