

CORROSION INHIBITOR (Water based)

Product Description

Epochem corrosion inhibitor (Epocool 2000) is a pre-diluted industrial coolant/antifreeze, heat transfer fluid formulated for stationary equipment applications. These products are based on a unique extended life carboxylate inhibitor system and nitrite/molybdate as secondary inhibitors. Epocool 2000 coolant is formulated to provide complete corrosion protection of cooling system components which also acts as an anti-freeze for all equipment. Mixed with the appropriate amount of water, this product provides maximum protection of all cooling system and heat transfer systems metals, including brass, copper, solder, steel, cast iron and aluminum.

This product does not contain borates, phosphate, amines and silicates and are available in ethylene glycol-based fluid.

Applications

Depending on the application the dosage may vary from 5 - 10 %, but a minimum of 5 vol. %.

Epochem corrosion inhibitor should be used for maximum corrosion protection it is recommended to use 7.5 vol % in water, In aqueous solutions where freeze protection is not required Epochem corrosion Inhibitor may be used in:

- stationary engines used in natural gas processing, irrigation, power generation, marine applications, oilfield operations and portable air compressors
- On-road/off road heavy-duty diesel engine applications
- As an inhibitor package for central heating systems, hydraulic safety fluids and mining fluids
- As a hot test liquid for new engine blocks and to protect engines for up to two months storage times
- As a flushing fluid to clean cooling systems that were filled with other inhibitor packages corrosion protection for engines during storage
- As an inhibitor package to compensate for coolant leakages in glycol-based cooling systems

Features and Benefits

- No routine inhibitor additions required in stationary equipment and industrial heat transfer applications
- Protects all cooling system metals including brass, copper, solder, steel, cast iron and aluminum
- Contains no nitrites, nitrates, silicates, phosphates, borates or amines
- Silicate free technology maintains good as new heat transfer and prevents formation of silicate gels during use and storage
- Phosphate free formula helps prevent hard water scale formation

Distributed and Marketed by
Epoxy oilserv Nigeria limited
email-sales@epoxyoil.com. Tel: 08053390165,08053390164, 07058465968

- Low dissolved solids formula prevents formation of deposits
- Wide range of applications reduces the number of coolants required
- 100% biodegradable in its unused form

Typical Characteristics

Water content-	67%w/w
Color	Bluish green
Specific gravity, 20°C	ASTM D1122
PH	8.3
Heat input	5500W
Temperature in heating vessel	95°C
Temperature in cooling vessel	75°C
Concentration of coolant in water	40vol.%
Pressure	1.5bar

Handling and Safety Information

Epochem Corrosion Inhibitor (Epocool 2000) has a shelf life of at least 8 years. Concentrate product should be mixed before use.

Always dispose of used coolant in accordance with local, state and federal guidelines. These products are not to be used to protect the inside of potable water systems against freezing.