



Mobil™ Mining Coolant 50%

Mobil Commercial Vehicle Lube , Chile

Coolant / Antifreeze

Product Description

Mobil™ Mining Coolant 50% is a ready-to-use coolant that acts as a corrosion inhibitor, antifreeze and anti-boil with stabilizers and foam suppressants in heavy-duty cooling systems. A blend of monoethylene glycol, deionized water, and a corrosion inhibitor package. Contains nitrite and molybdate in its composition, being free from salts such as nitrate, phosphate, borate and silicate.

Features and Benefits

Mobil™ Mining Coolant 50% has the following features and benefits:

- Ready to use"" refrigerant solution and does not require dilution in the field
- Contains nitrite in the composition to provide excellent protection against cavitation corrosion
- Provides superior protection to all metal alloys in the system, even after an aging period, when conventional inorganic based additives such as silicates and borates lose efficiency and require reinforcing filler
- Ensures good stability and absence of deposits, due to the absence of silicates and phosphates;
- Good stability at high temperatures
- Does not require the addition of supplementary additives (SCA), avoiding errors in the dilution of the mixture
- Minimizes corrosion by cavitation and erosion of the water pump by its foam suppressing property;
- Does not attack elastomers - hoses and gaskets

Specifications and Approvals

Mobil Mining 50/50 Prediluted Coolant/Antifreeze is recommended by ExxonMobil for use in applications requiring the following specifications:

ASTM D 3306	X
ASTM D 4985	X
ASTM D 4340	X
ASTM D 6210	X
CID AA52624	X
Cummins 14603	X
Detroit Fluid Specification 93K217	X
Freightliner 4822880	X
J.I. Case JIC501	X
John Deere H24A2 / H24C2	X
MTU 5048	X
Navistar B1 Type II	X
TMC RP 329	X

Meets the performance requirements of:

Caterpillar	X
Paccar (Peterbilt and Kenworth)	X
Volvo/Mack	X

Protection Table

Concentration	Protects from	
	Freezing Down to	Boiling Up to*
50	-37 °C / -34°F	129 °C / 265 °F

*Using a 15 PSI Pressure Cap

Chemical Properties

Property	ASTM Test Method	Typical Values
Specific Gravity (60/60°F)	D1122	1.067 – 1.077
Freezing Point, 50 Vol. %, °F	D3321 or D1177	-34°F
Boiling Point, 50 Vol. %, °F	D1120	226°F
pH, 50% Volume Solution	D1287	10.0 – 11.0
Reserve Alkalinity, mL	D1121	3.0 – 3.8
Foam Test	D1881	150 ml. / 5sec., Max
Color	Visual	Pink / Fuchsia

Applications

Mobil™ Mining Coolant 50% is indicated as a coolant in mining equipment cooling systems, for a varied fleet of diesel powered heavy vehicles such as trucks, on-highway fleets, agricultural equipment, off-highway equipment, passenger vehicles and pick-ups.

Mobil™ Mining Coolant 50% provides excellent performance with long-lasting corrosion protection in aqueous systems in the presence of multi-metals such as iron, steel, copper, brass, aluminum and its alloys, soft solder and silver solder.

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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