

## **CONVENTIONAL ANTIFREEZE/COOLANT**

**PRODUCT CODE: 9000, 9050**

### **DESCRIPTION**

49 NORTH® CONVENTIONAL ANTIFREEZE/COOLANTS are low silicate, ethylene glycol based multi-purpose coolants, available as concentrates or 50/50 pre-diluted products, designed for use in automotive engines where silicates are needed and with SCA addition in heavy-duty diesel engines.

### **QUALITIES**

49 NORTH® CONVENTIONAL ANTIFREEZE/COOLANTS are single phase, ethylene glycol based products blended with a premium quality additive package. They are low silicate coolants designed for use in both heavy-duty diesel and automotive engines, particularly those containing aluminum alloys. When used in a heavy-duty diesel application, an initial dose of supplemental coolant additive (SCA) is required. In addition, routine SCA application will also be required.

49 NORTH® CONVENTIONAL ANTIFREEZE/COOLANTS provide anti-foam properties and rust and corrosion protection for aluminum, brass, copper, solder, steel, and cast iron. They are compatible with cooling system filters and supplemental additives. 49 NORTH® CONVENTIONAL ANTIFREEZE/COOLANTS are free of nitrites and amines.

49 NORTH® CONVENTIONAL ANTIFREEZE/COOLANTS have a service life of 2 years or 80,000 km in automotive applications and 320,000 to 400,000 km in heavy duty applications when SCA's are added.

### **APPLICATIONS**

49 NORTH® CONVENTIONAL ANTIFREEZE/COOLANTS are recommended in the following applications:

- Automobiles requiring a non-extended life, silicate containing coolant meeting ASTM D3306.
- Heavy-duty cooling systems requiring a non-extended life, low silicate coolant that is compatible with SCA's.
- Industrial cooling systems, recreational equipment, and compressors where a low silicate, non-extended life formulation is recommended.

### **FEATURES & BENEFITS**

Wide service application in vehicles where a low silicate product is required, or in heavy duty engines when SCA's are added.

Long service life when correct top up procedures are followed.

Provides excellent protection to automotive cooling system components including aluminum.

Wide temperature application protects against winter freeze up and minimizes summer boil over.

Anti-foam properties minimize foaming potential.

## **CONTACT**

Email: [info@49northlubricants.com](mailto:info@49northlubricants.com)  
[www.49northlubricants.com](http://www.49northlubricants.com)

Phone: 780.986.9260  
Toll Free: 1.800.463.0354  
Fax Toll Free: 1.877.917.4949

6611 - 45 Street  
Leduc, Alberta  
Canada T9E 7E3



**TYPICAL PROPERTIES**

Product Codes	9000 / 9050
Appearance	Green
Specific Gravity (60/60°C)	1.130
Freezing Point (°C) (ASTM D1177)	-37
pH, (ASTM D1287)	10.5
Reserve alkalinity, (ASTM D1121)	12.0
Silicate, %	0.09

Recommended Product Dilution from Concentrate

Boiling Protection

- 50% (1 part antifreeze / 1 part water) 129 °C

Freezing Protection

- 40% (2 parts antifreeze / 3 parts water) -24 °C
- 50% (1 part antifreeze / 1 part water) -37 °C
- 60% (3 parts antifreeze / 2 parts water) -52 °C

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

**MEETS OR EXCEEDS PRODUCT APPROVALS**

- ASTM D3306 – automotive service
- ASTM D4985 – heavy duty diesel service
- TMC RP-302A

**HEALTH & SAFETY**

A complete Safety Data Sheet (SDS) is available upon request.

**PACKAGE SIZES**

Available in Bulk, 1211L totes, 208L Drums, 20L Pails, 4x3.78L Cases

**CONTACT**

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