

## Technical Data Sheet (TDS)

### GLACIA

Concentration- 50%

### MINERAL

**GLACIA** Coolant / Antifreeze is a ready-to-use, phosphate-free, silicate-free, nitrite-free and borate-free, ethylene glycol-based coolant that is designed to provide exceptional wet sleeve liner cavitation and corrosion protection of all cooling system metals. Avalanche Coolant/ Antifreeze is formulated with organic corrosion inhibitors to provide total cooling system protection for on-road and off-road use.

### APPLICATION

**GLACIA** Coolant / Antifreeze is recommended for all types of passenger cars, heavy-duty diesel, gas engines and stationary engine applications regardless of fuel type being used. It is also suitable for marine cooling systems where freeze protection is needed. Mixedfleets where both light-duty and heavy-duty trucks are present.

### FEATURES & BENEFITS

- Designed for use in engines running EGR and SCR technologies that can increase cooling system temperatures
- Eliminates the cost of SCAs
- Fully compatible with other quality Organic Acid (OAT) and Nitrited Organic Acid (NOAT) heavy-duty extended life coolants
- Non -abrasive formula can improve water pump seal life
- Optimal hard water compatibility and reduced hard water scale
- Provides outstanding long-term elastomer compatibility

### PERFORMANCE STANDARDS

- BS 6580
- ASTM D3306, D4485, D6210
- D4485 , D6210
- SAE J1034, J1038
- Cummins 90T8-4
- CAT ELC (EC-1)
- Detroit Diesel 7SE298
- GM 1825, 1899M, 6277M
- TMC RP329
- Freightliner 48-22880
- D2N 51524

### TYPICAL PROPERTIES

PARAMETERS	ASTM	GLACIA Concentration 50%
<b>Appearance</b>	<b>Visual</b>	<b>Red/Green Liquid</b>
<b>Type</b>	-	<b>OAT</b>
<b>Density @ 20°C</b>	<b>D1122 / DIN 51757</b>	<b>~1.075</b>
<b>Boiling Point</b>	<b>D1120 / DIN 51560</b>	<b>&gt; 108</b>
<b>Freezing Point</b>	<b>D1177 / DIN EN 111</b>	<b>~ -37</b>
<b>pH(diluted with DI water)</b>	<b>D1287 / DIN 51369</b>	<b>8.3-9.8</b>
<b>Reserve Alkalinity (RA)</b>	<b>D1121</b>	<b>&gt;6.0</b>
<b>Ash Content</b>	<b>D1119</b>	<b>&lt;3</b>
<b>Foaming Characteristics</b>	<b>D1881</b>	<b>&lt;50 / &lt;5</b>
<b>Glycol Content</b>	<b>Refractometer / DIN 51423</b>	<b>~ 50</b>
<b>Chloride/Sulfate Content</b>	<b>D3634 / D516</b>	<b>&lt;25</b>
<b>Corrosion Inhibition(glasswae test)</b>	<b>D1384 / DIN 51360-T2</b>	<b>Pass</b>
<b>Comptibility</b>	<b>D2809 / Internal</b>	<b>Metals/Rubbers</b>

### HEALTH & SAFETY, ENVIORMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the enviornment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS on our wevbsite: [www.fubex.net](http://www.fubex.net)

### HEALTH & SAFETY:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. products should never be stored above 60 C , or exposed to hot sun or freezing conditions.

### PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.