ZHENGZHOU CHORUS COMMERCE AND TRADE CO.,LTD
Email: sales@cn-lubricantadditive.com; Web: www.cn-lubricantadditive.com
Add: No. 11 Changchun Road, Zhengzhou, China; Tel: +86- 13783582233

Antifreeze Coolant Additive Package T8050

1.Product Introduction:

This product T8050 is a kind of Antifreeze Coolant Additive Package of mechanical acid OAT technology. The coolant produced by this additive package has good antirust and anticorrosion effect on the metal of the cooling system of light and heavy duty vehicles, such as solder, cast aluminum, cast iron, steel, brass, copper and so on, which have superior antirust function, especially the corrosion resistance of wet cylinder liner of heavy duty vehicle. Green environmental protection, biodegradation 100%. The engine coolant produced by the coolant compound agent has the advantages of superior performance, convenient use, high production efficiency and low production cost. It can produce coolant in accordance with NB/SH/0521-2010, GB29743-2013 standard without complex equipment and professional personnel.

2. Application:

Mainly for producing ethylene glycol type low and high load engine coolant/antifreeze. Compound Additives for Corrosion Inhibition with Machine-type Coolant Formulated and in accordance with the product blending process of the vehicle coolant can meet domestic, international product standards and OEM products Industrial standard performance requirements.
NB/SH/0521-2010, GB29743-2013
ASTM D3306, D4985, and D6210.
BS 6580 (British Standard)
Cummins CES 14603, SB3666132-04
Ford WSS-M97B51-A1, JIS K 2234
John Deere H-5, H24B1, H24C1
SAE J1034, J1941, TMC RP329, RP330

3. Product characteristics for the production of coolant:

Long life:

using organic acid technology, the consumption speed of additives is greatly reduced, the service life of coolant products is prolonged, and the maintenance life of coolant products is 5 years.

Performance:

Superior antirust, anticorrosion performance: contains high efficiency organic acid additive, has better rust prevention ability to all kinds of metals in engine cooling system, especially for heavy load vehicle wet cylinder liner corrosion resistance is greatly improved.

Superior protective performance of aluminum alloy:

excellent organic acid adsorption and rust prevention technology can eliminate cavitation corrosion of aluminum alloy and corrosion damage caused by scaling of 3/6 heat transfer surface. Superior scale prevention performance: contains high performance polymer scale inhibitor, provides coolant superior high temperature anti-scale energy, avoids the blockage of radiator caused by scaling, prolongs the service life of engine cooling system.

4. Product Physical & Chemical Index

Item	Additive T8050	Test Method
Appearance	Transparent Liquid	By Visual
Color	Light Yellow	By Visual
Acid or Alkalinity	Weak Alkalinity	SH/T 0069
Specific Density, 20℃	1.10	SH/T 0068
Water Solubility	Totally Soluble	By Visual
Condensation Point, ℃	-20	GB510-1983
Storage Stability >0℃	12 Months	

5. Coolant Production Process and Formulation:

Item	Composition	Weight, %
-46℃ Coolant	MEG	54.80
	Water	42.19
	Additive T8050	3.01
-41℃ Coolant	MEG	51.94
	Water	45.20
	Additive T8050	2.86
-36℃ Coolant	MEG	48.66
	Water	48.66
	Additive T8050	2.68
-31℃ Coolant	MEG	45.35
	Water	52.15
	Additive T8050	2.50
-26℃ Coolant	MEG	41.40
	Water	56.32
	Additive T8050	2.28
-21℃ Coolant	MEG	35.27
	Water	62.79
	Additive T8050	1.94
-16℃ Coolant	MEG	30.35
	Water	67.98
	Additive T8050	1.67
Concentrate	MEG	94.79
	Water	0
	Additive T8050	5.21

Note: When blend heavy duty engine coolant, add sodium nitrite (>99%) 2.1kgs per ton.

6. Package:

This product is formulated coolant additive product, packages are available by 200liters drum, 1000liters IBC-TANKS, ISO-TANKS or made to order.

7. Storage & Handle:

The storage temperature at 7-40℃ can ensure the maximum activity of this product, it needs to use the goods within 12months after the production date, when no use pay attention to the package seal condition. Check if there is crystallization before use, if yes, please warm the package in the heating room to dissolve the crystallization (heat less than 60℃), mix well then to use.

8. Coolant Production Method:

The measured deionized water (sodium nitrite) was added to the stirred kettle, dissolved, then added ethylene glycol, stirred for 10 min. in the stirring state, the metering additive T8050/T8060, was added to stir for 10 min. the pH value was detected by central control (taking the coolant at-35 ℃ as an example PH value = 8-9), the freezing point was detected by central control, and the finished product of coolant was obtained by adding defoamer and pigment after passing.