

# TCL HYPER COOLANT

Engine antifreeze coolants



TCL Hyper coolant is available in 2 colors, blue and pink and is formulated to conform to various car manufacturers specifications.

## Outline

TCL Hyper coolant is premixed with ion exchanged water to provide worry free filling of cooling system. It can be used for top up or complete coolant exchange of cooling system.

It has a longer lifespan the conventional long life coolant. If a full exchange of coolant is cooling system is done, TCL hyper coolant can provide maximum performance and lifespan of up to 120,000 km or 6 years of usage in extreme condition.

## LLC of Japanese car maker

Makers	Colors of LLC	Distance and duration
TOYOTA	Pink	80,000 km or 4 years
HONDA	Green, Blue	120,000 km or 6 years
NISSAN	Blue	80,000 km or 4 years
MITSUBISHI	Green	4 years
MAZDA	Green	100,000 km or 4 years
SUBARU	Blue	120,000 km or 6 years
SUZUKI	Blue	75,000 km or 4 years

## Characteristics Table

**The Product kind :** Engine antifreeze coolants

**Brand name :** Super Coolant

**Standards :** Non JIS

**Type :** Premix type of non amine

**Based glycol :** Ethylene glycol

**Freezing temperature :** -40°C

## Product Specifications

**Volume** 2 L

**Size of a piece** 14.5 x 10 x 22 cm

**Size of a cargo box** 31.5 x 30 x 25 cm

**Quantity** 6 pcs

**Weight of a piece** 2.3 kg

**Weight of a cargo box** 14.4 kg

### Precaution for use

This product please be refilled without dilution with water until the radiator of the prescribed level.

### How to use

Replacement and replenishment of the coolant, please use in accordance with the handling method and the inspection of the cooling liquid supplement which is defined for each car.

### Usage

Antifreeze, overheating prevention and anti-corrosion coolant for automobile radiator.

### Characteristic

- By special additive, it will give a powerful anti-rust, anti-foaming effect even in harsh conditions.
- It reduce the frequency of replacement of coolant and the amount of waste liquid. In addition, it helps to reduce the cost of wastewater treatment.
- It corresponds to the long-life type coolant of each automaker.

### The role of anti-corrosion performance

#### Our products - New coolant



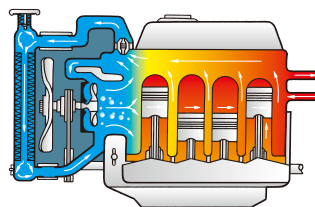
#### Case of coolant which has low anti-corrosion quality



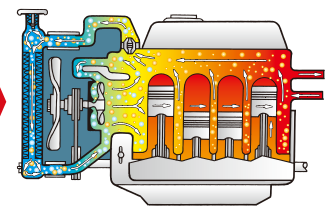
There are lots of corrosion on many of the test pieces which can cause overheating due to corrosion clogging, leakage etc of the radiator.

### The role of anti-foaming performance

#### New Coolant



#### Coolant defoaming performance is degraded



Degraded coolant loses antifoaming performance and foam will obstruct coolant circulation in the cooling system. The radiator will not cool the engine effectively and will cause overheating. In addition, it will increase the risk of radiator damage due to cavitation.

### Foam causes cavitation which corrodes the cylinder liner.



It is a corroded cylinder liner by cavitation which is caused by degraded coolant.

Cavitation is the phenomenon that bubbles are generated and disappeared. It will cause pressure changes due to poor circulation and vibration of coolant. The shock of ruptured bubbles causes high pressure in the system and will damage the cylinder liner and water pump.

**Deterioration of the coolant can not be judged only by color! We recommend regular LLC exchange in order to prevent the trouble!**