

## PRODUCT DESCRIPTION

TOTACHI Super Long Life Coolant Red 30/70 is a high performance ready to use coolant based on phosphate organic acid technology (P-OAT). It is formulated to provide long life thermal and corrosion protection to cooling systems of gasoline, diesel, light duty, and heavy-duty off-road and on-road vehicles. Excellent heat exchange properties and improved cooling efficiency in internal combustion engines, hybrids, and battery electric vehicles. Offers an extended life protection for at least 250,000 km or 5 years in passenger cars and light duty vehicles; 650,000 km in heavy duty off-road and on-road applications, and 12,000 hours in stationary machineries or 5 years.

TOTACHI Super Long Life Coolant Red 30/70 is free from nitrites, borates, amines, and silicates to safeguard cooling systems from corrosion, scale, and rust. It forms a long-term protective film on the internal surface of the cooling system to prevent boiling, overheating, freezing, cavitation, pitting, contamination and leaking of radiator and water pumps. Highly compatible with cast iron, aluminum, all ferrous alloys, rubber, seals, gaskets, and all components of the cooling system.

## APPLICATION

Recommended for use in motorcycles, passenger cars, vans, SUVs, LCVs, light duty trucks, buses, heavy duty trucks, buses, mining, construction, agricultural machineries, and other automotives & machineries requiring coolants with the standards of JIS K 2234, ASTM D3306 and ASTM D6210.

Suitable for Toyota, Lexus, Scion, Hino, Daihatsu, and other Japanese, Korean, American, Chinese, and other OEMs requiring P-OAT coolants.

Ready to use coolant, premixed of 30/70. No need to add deionized water or supplemental coolant additives (SCA). Safe to mix with genuine coolants.

## WARRANTY

TOTACHI Super Long Life Coolant Red 30/70 meets or exceeds the OEM's warranty requirements of automotive, off-road, on-road and industrial applications where a P-OAT ready to use coolant is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

## CUSTOMER BENEFITS

- **Extended Cooling System Life**  
Excellent cavitation protection & lasting high temperature corrosion protection to ensure compatibility with aluminum, iron, cast iron, solders and copper alloys for a longer radiator system life.
- **Saves on Maintenance Cost**  
Outstanding corrosion inhibitors for long life and maintenance free protection of the cooling system. Suitable for mixed fleet applications.
- **Cleanliness of Cooling System**  
Formulated with organic additives to prevent corrosion, particles from surface wear and sludge control.
- **Reliable Protection**  
Effectively prevents engine overheating and freezing to avoid engine breakdown and costly repairs.
- **Extended Drain Intervals**  
Offers an extended life protection for at least 250,000 km or 5 years in passenger cars and light duty vehicles; 650,000 km in heavy duty off-road and on-road applications, and 12,000 hours in stationary machineries or 5 years.

## MEETS SPECIFICATIONS & REQUIREMENTS OF:

- JIS K 2234
- ASTM D3306
- ASTM D6210
- GB 29743-2013 (LEC-II)
- TOYOTA TSK 26016
- LEXUS
- SCION
- HINO
- DAIHATSU
- SSANGYONG SES-N-761
- RENAULT-SAMSUNG MOTORS 41-01-001-T
- DAIMLER AG
- FUSO
- DOOSAN INFRACORE
- BOBCAT
- FUJI HEAVY INDUSTRIES
- GENERAL MOTORS
- MAHINDRA & MAHINDRA

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

## TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
Appearance	-	Transparent liquid without residue	Visual
Color	-	Red	Visual
Density at 20 °C	g/cm <sup>3</sup>	1.0422	ASTM D4052
Refractive Index at 20 °C	-	1.3630	ASTM D1218
Reserve Alkalinity	ml	2.2	ASTM D1121

## STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

## HEALTH, SAFETY & ENVIRONMENT PROTECTION

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings, or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.

## ATTENTION

TOTACHI Super Long Life Coolant Red 30/70 is **poisonous and extremely hazardous if ingested**.

When changing coolant, dispose used product in accordance with local, regional, or federal legislative provisions.

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