

# MIX-TYPE COOLANT G12evo

## PINK -40C, -50C

---

### **PRODUCT DESCRIPTION**

TOTACHI MIX-TYPE COOLANT G12evo PINK is an innovative coolant, based on ethylene glycol. The product is engineered for automotive cooling systems in accordance with the requirements of Volkswagen concern specification TL 774-L / G12evo (Exceeds the requirements of the following specifications G11, G12, G12+, G12++, G13) based on organic acid technology with phosphates and silicates additive package (lobrid PSi-OAT technology). It is suitable for cooling systems of many European OEMs. The product contains an innovative additive package for long protection of cooling systems of internal combustion engines, including those with application of aluminum alloys. The product forms a long-term protective film on internal surface of cooling system, thus protecting engine from freezing, overheat, cavitation, corrosion and contamination. According to the formulation contains phosphates, silicates, organic acids, but free from borax, amine, imidazole, nitrites providing decrease of hard deposits and extends service life of water pumps.

### **APPLICATION**

- TOTACHI MIX-TYPE COOLANT G12evo PINK is Recommended for cooling systems of gasoline, diesel, electric engines of most European OEMs. Supports an extended service life of 5 years / up to 250,000 km for light vehicles, 450,000km for on-highway and 10,000 hours for off—highway applications.
- TOTACHI MIX-TYPE COOLANT G12evo PINK is specially recommended for modern light vehicles, off-road and on-road gasoline, diesel, electric engines where the enhanced protection of aluminum against high-temperature corrosion is required and phosphate-lobrid technology recommended (PSi-OAT)
- The product can be safely mixed with genuine coolants OEM - manufacturers.

### **CUSTOMER BENEFITS**

- TOTACHI MIX-TYPE COOLANT G12evo PINK offers effective corrosion protection of engine parts made of iron (cast iron), aluminum, solders and copper alloys.

- TOTACHI MIX-TYPE COOLANT G12evo PINK provides improved heat exchanging characteristics, which enhance performance of engines in highly loaded operating conditions.
- The product is fully compatible with some genuine coolants. It possesses excellent compatibility with seal materials and rubber hoses, typically used by European OEMs.

### **MEETS SPECIFICATIONS AND REQUIREMENTS OF:**

- ASTM D3306
- ASTM D 4985
- GB 29743-2013 (LEC-II)
- TL 774-L / G12evo
- TL 774-C [G11]
- TL 774-D [G12]
- TL 774-F [G12+]
- TL 774-G [G12++]
- TL 774-J [G13]
- Audi
- Seat
- Skoda
- Volkswagen
- Bentley
- Bugatti
- Lamborghini
- Porsche
- Ducati

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

TOTACHI MIX-TYPE COOLANT G12evo PINK is supplied ready for use. It is not recommended to dilute the product with water for more than 10%. It is a good practice to flush cooling system before changing coolant.

For application in regions with mild climate use product with chill point of -40°C (premixed 50/50 coolant). For northern regions with severe cold climate use product with chill point of -50°C (premixed 60/40 coolant).

# TOTACHI MIX-TYPE COOLANT G12evo PINK -40C, -50C - *continued*

## TYPICAL TEST DATA

| CHARACTERISTICS   | UNITS                  | -40°C                      | -50°C                              | METHOD           |
|---|------------------------|----------------------------|------------------------------------|------------------|
| Appearance  |                        | Transparent liquid with no | Transparent liquid with no residue | P 5.2 ToR        |
| Density at 20°C   | g/cm <sup>3</sup>      | 1.077                      | 1.084                              | GOST 18995.1,    |
| Swelling of rubber  | %                      | 5                          | 5                                  | GOST 9.030-7 p.1 |
| Boiling point   | °C                     | 110                        | 111                                | ASTM D1120       |
| Chill point   | °C                     | -40                        | -50                                | GOST 28084 p 4.4 |
| Alkalinity, no less than  | cm <sup>3</sup>        | 6.0                        | 6.0                                | GOST 28084       |
| Foaming:<br>– Volume of foam after 5 minutes;<br>– Foam stability | cm <sup>3</sup><br>sec | 30<br>3                    | 30<br>3                            | GOST 28084 p 4.6 |
| Hydrogen ion exponent at 20°C                                     | pH                     | 8.5                        | 8.1                                | GOST 22567.5     |
| Color   |                        | PINK                       | PINK                               | visual           |

## STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Cans, packed in cardboard boxes, must be stored in dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors on pallets and racks.
- If stored outdoors drums should be placed sidewise to avoid accumulation of moisture.

## HEALTH, SAFETY AND 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.

### ATTENTION:

***TOTACHI MIX-TYPE COOLANT G12evo PINK is poisonous and extremely hazardous if ingested.***

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

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.