

# DENTO Brake Fluid DOT 3



## PRODUCT DESCRIPTION

High-quality brake fluid for various types of automobiles and motorcycles equipped with drum or disc brakes with hydraulic drive.

DENTO BRAKE FLUID DOT-3 is based on complex mixture of glycols (dihydric alcohols) with the addition of highly effective inhibitors and additives. It provides efficient operation of mobile equipment with frequent and heavy braking due to excellent flow rate at low ambient temperatures and optimal viscosity characteristics in high temperatures in brake system.

DENTO BRAKE FLUID DOT-3 prevents the formation of plaque residues and deposits on internal surfaces in continuous operations. High boiling point and low volatility prevent vapor locks and ensure excellent brake system performance and additional reliability margin. The fluid offers excellent compatibility with rubber and polymer seals used in brake system. DENTO BRAKE FLUID DOT-3 provides long-term protection against corrosion of all materials used in brake systems such as metals, plastics and elastomers.

## APPLICATION

- DENTO BRAKE FLUID DOT-3 is recommended for hydraulic brake systems of motor vehicles and motorcycles (including those with drum or disc brakes), which require brake fluids of DOT 3, SAE J1703 and ISO 4925 Class 3.
- DENTO BRAKE FLUID DOT-3 is suitable for use in auxiliary hydraulic drives of cars and various commercial vehicles, including traction drives and hydraulic lifts.

## CUSTOMER BENEFITS

- DENTO BRAKE FLUID DOT-3 maintains high performance in a wide range of temperatures. High boiling point (about 250 °C) and excellent thermal and oxidation stability prevent the formation of vapour locks in intensive braking (including in regions with hot climate).
- Inhibitors provide long lasting protection against oxidation of various metal parts including aluminium, brass, copper, zinc and iron.
- DENTO BRAKE FLUID DOT-3 maintains continuous lubrication of moving parts and sealing materials used in the brake system and prevent their wear.

## MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- FMVSS 116 DOT 3
- ISO 4925 (Class 3)
- SAE J1703

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

## ATTENTION:

Brake fluid is hygroscopic and absorbs moisture from air. Moisture in fluid eventually reduces brake fluid boiling point with a possible risk of vapour lock.

In absence of OEM specific requirements, it is recommended to change brake fluid once every 2 years. Do not mix with brake fluids based on mineral oil (LHM) and silicon based fluids (DOT 5).

## DENTO Brake Fluid DOT 3 — *continued*

### TYPICAL TEST DATA

| CHARACTERISTICS                             | UNITS  | VALUES                   | METHODS                |
|---|--|--------------------------|------------------------|
| Grade                                       |  | DOT 3                    |                        |
| Kinematic viscosity at:<br>100 °C<br>40 °C  | mm <sup>2</sup> /sec<br>mm <sup>2</sup> /sec | ≥1,5<br>1230 max         | ASTM D445<br>FMVSS 116 |
| Boiling point:<br>New fluid<br>Damped fluid | °C<br>°C                                     | ≥ 249<br>≥ 147           | ERBP<br>WERBP          |
| Density at 20 °C                            | kg/l   | 1,040 – 1,060            | ASTM D4052             |
| Acidity level                               | pH   | 9,6                      | FMVSS 116              |
| Water saturation                            | %  | 0,20 max                 | ASTM D2270             |
| Appearance                                  |  | Transparent amber liquid |                        |

### 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.

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