

# DENTO Brake Fluid DOT 4



## **PRODUCT DESCRIPTION**

High quality brake fluid based on complex mixture of polyalkylene glycol ethers and esters of boron with the addition of highly effective inhibitors and additives. Due to the excellent stability and resistance to high temperatures DENTO BRAKE FLUID DOT-4 prevents the formation of residues and deposits on surfaces, even in severe operating conditions with frequent and heavy braking. Low volatility prevents vapor locks, thus it ensures excellent braking performance and additional reliability margin. DENTO BRAKE FLUID DOT-4 provides long-term protection against corrosion of all materials used in brake systems: metals, plastics and elastomers. DENTO BRAKE FLUID DOT-4 is non-aggressive to rubber and polymer seals used in brake systems. The product exceeds many common quality standards for brake fluids, which are recommended by automotive manufacturers.

## **APPLICATION**

- DENTO BRAKE FLUID DOT-4 is recommended for a variety of automotive hydraulic brake systems (including those equipped with ABS electronic systems), which require DOT 4, SAE J1704 and ISO 4925 Class 4 fluids.
- DENTO BRAKE FLUID DOT-4 is suitable for use in auxiliary hydraulic drives of cars and various commercial vehicles, including traction drives and hydraulic rams.

## **CUSTOMER BENEFITS**

- High boiling point (above 250 °C) and excellent thermal and oxidation stability prevent the formation of vapor locks in vehicles, operating with heavy braking.
- Inhibitors provide long lasting protection against oxidation of various metal parts including those made of aluminum, brass, copper, zinc and iron.
- DOT-4 type brake fluids is suitable for change, top up or maintenance servicing of brake systems with obsolete recommendations like DOT 3, SAE J1703 and ISO 4925 Class 3.

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

- FMVSS 116 DOT 4
- ISO 4925 (Class 4)
- SAE J1704

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

## **ATTENTION:**

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).

Brake fluid absorbs moisture from air. Moisture in fluid significantly reduces brake fluid boiling point with a possible risk of vapor lock.

## DENTO Brake Fluid DOT 4 — *continued*

### TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	METHODS
Grade		DOT 4	
Kinematic viscosity at: 100 °C 40 °C	mm <sup>2</sup> /sec mm <sup>2</sup> /sec	1,5 min 1200 max	ASTM D445 FMVSS 116
Boiling point: New fluid Damped fluid	°C °C	≥ 260 ≥ 176	ERBP WERBP
Density at 20 °C	kg/l	1,040 – 1,060	ASTM D4052
Acidity level	pH	7,0 – 11,5	FMVSS 116
Water saturation	%	0,20 max	ASTM D2270
Appearance		Transparent yellow 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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