

# GOLDENSTONE® DOT-3 /DOT-4

## Technical Data Sheet (TDS)

### AUTOMOTIVE BRAKE FLUIDS

#### Description and Application

GOLDENSTONE® DOT-3 & GOLDENSTONE® DOT-4 brake fluids comprise of polyethylene-glycol esters, additives to ensure protection against corrosion and oxidation and stabilizers. These brake fluids are not compatible with petroleum-based brake fluids.

GOLDENSTONE® DOT-3 & GOLDENSTONE® DOT-4 brake fluids are recommended for application in the hydraulic brake systems and clutches of automotive vehicles such as passenger cars, trucks, busses and trailers. They are compatible and especially designed for brake systems equipped with rubber, SBR (styrene-butadiene rubber) or EPDM (ethylene-propylene-diene-monomer rubber) seals and cups.

The corrosion inhibitors used in the formulation of the brake fluids ensure protection against corrosion for the metal surfaces in the brake system.

#### Benefits

- Excellent corrosion protection
- Brake systems seals compatibility
- Good oxidation stability

#### Specifications

ISO 4925	Class 3 & Class 4
ATE	DOT 3 & DOT 4
SAE J	1703, 1704
FMVSS	116

#### Typical Characteristics

Parameter	Test Method	Typical Value	
		DOT-3	DOT-4
Appearance	Visual	Clear, homogenous liquid	
Color	visual	light yellow	
Odor	olfactory	characteristic	
Density at 20°C, g/cm <sup>3</sup>	EN ISO 3675	1.06	1.066
Kinematic viscosity at ,	EN ISO 3104		
- 20°C, mm <sup>2</sup> /s.		15.30	15.95
- 50°C, mm <sup>2</sup> /s.		5.62	6.05
- 100°C, mm <sup>2</sup> /s.		1.91	2.20
Boiling point, °C	ASTM D 1120	247	260
Flash point, COC, °C	EN ISO 2592	138	144
pH	ASTM E 70	10.0	8.2
High Temperatures Stability, °C	ISO 4925, s.5.4	max ± 3 , + 0.05 °C for each degree above 225 °C	

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

## Health, Safety and Handling

Brake Fluids are highly hygroscopic and easily absorb moisture from the air. Water strongly impairs the boiling point and the quality of the fluids. Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application. Please, strictly follow the recommended storage conditions in the relevant MSDS. For more information about product MSDS, terms and conditions for storage and shelf life please visit: <http://www.goldenstoneoils.com>