



All round Engineering

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41 Illana Street Delville, Germiston

PRODUCT DATA SHEET

MAGNUM DOT4 BRAKE FLUID

PRODUCT DESCRIPTION

MAGNUM DOT4 brake fluid is a glycol ether based fluid formulated exclusively from virgin materials to exceed the requirements of the major internationally recognised hydraulic brake fluid standards: FMVSS No 116 DOT4, SAE J1704 and ISO4925 Class 4.

It has all the characteristics required to ensure the safe and reliable operation of vehicle braking systems:

High Boiling Point - minimises the risk of vapour lock occurring in the wheel cylinder even under the most extreme conditions.

High Wet Boiling Point – ensures continued vapour lock protection by maintaining a high boiling point throughout the service life of the fluid.

Optimal Viscosity – minimal low temperature viscosity ensures system responsiveness is maintained in very cold conditions whilst maximal high temperature viscosity ensures adequate lubricity and leakage prevention are maintained at high operating temperatures

Corrosion Inhibition - protects the full range of metallic components in the braking system from corrosion damage that can cause excessive seal wear or even loss of fluid and potential system failure.

Rubber Compatibility – with the range of elastomeric material commonly found in braking systems maximises the working life of system seals to ensure safe and reliable system operation

Fluid Compatibility - can be safely mixed with other brake fluids meeting both DOT 3 and DOT 4 specifications.

Fluid Stability – against both high temperature and oxidation and ensures stable performance characteristics for long and reliable service life

Directors: Larry Rajpal & Saitish Rajpal

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Property	Test Method	Typical Data	Specification
Appearance	Visual	Pale Straw Colored liquid ,free from suspended matter	Clear to yellow colored liquid, free from suspended matter
Specific Gravity@20/20°C	D4052	1.04	Report
ERBP,°C	D1120	265	260 min
Wet Equilibrium Reflux Boiling Point, (°C)	D1120	163	155 min
Kinematic Viscosity@100°C,cSt	D445	2.1	1.5min
Kinematic Viscosity@ - 40°C,cSt	D445	1400	1800max
pH(50%volume)	D1121	8.8	7.0-11.5
Water Content %v	D1123	0.10	Report

STORAGE AND HANDLING

Brake fluids can be stored in bulk in mild steel tanks and drums. The use of a desiccant unit in the tank vent is recommended to prevent the absorption of moisture during storage.

Brake fluids do not present a significant health hazard when used under normal conditions however in line with good industrial practice the use of appropriate personal protective equipment is recommended. See the product MSDS for details.

Attention must be paid to the avoidance of contamination of brake fluids. Water will dramatically lower the boiling point of the fluid reducing safety margins. Contamination with mineral oil based products can result in degradation of system seals and potential system failure.

This data sheet was prepared from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product.

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