



MALAYSIAN STANDARD

MS 119:2006

BRAKE FLUIDS FOR MOTOR VEHICLE - SPECIFICATION (SECOND REVISION)

ICS: 75.080

Descriptors: motor vehicle brake fluids, performance requirements, packaging, labelling

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Committee representation

The Industry Standards Committee on Petroleum and Gas (ISC H) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
ExxonMobil Malaysia Sdn Bhd
Jabatan Bomba dan Penyelamat Malaysia
Malaysian Gas Association
Malaysian Plastics Manufacturers Association
Ministry of International Trade and Industry Malaysia
Persatuan Jurutera Perunding Minyak dan Gas Malaysia
Petroleum Nasional Berhad
Petronas Lubricants International Sdn Bhd
Road Transport Department
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Shell Malaysia Trading Sdn Bhd
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Teknologi Malaysia
Universiti Teknologi Petronas

The Technical Committee on Petroleum Lubricants which developed this Malaysian Standard consists of representatives from the following organisations:

Automobile Association of Malaysia
Chevron Corporation
Department of Chemistry, Malaysia
Department of Environment
Esso Malaysia Berhad
Ministry of Domestic Trade and Consumer Affairs
PERODUA Manufacturing Sdn Bhd
Petroleum Nasional Berhad
Petronas Lubricants International Sdn Bhd
Petronas Research Sdn Bhd
Premier Lubricant Sdn Bhd
SIRIM QAS International Sdn Bhd
Shell Malaysia Trading Sdn Bhd
Universiti Teknologi Malaysia

NATIONAL FOREWORD

The adoption of the FMVSS Standard as a Malaysian Standard was recommended by the Technical Committee on Petroleum Lubricants under the authority of the Petroleum and Gas Industry Standards Committee.

This Malaysian Standard is the second revision of MS119:1990, *Specification for motor vehicle brake fluids*.

Major modifications in this revision are as follows:

- a) all dimensions in imperial unit i.e. inch and °F;
- b) a new Clause 2, normative references has been added;
- c) a new sub-clause 3.5 on hydraulic system mineral oil has been added;
- d) a new sub-clause 3.6 on packager has been added;
- e) a new sub-clause 3.7 on packaged lot has been added;
- f) a new sub-clause 3.9 on silicone base brake fluids (SBBF) has been added; and
- g) a new sub-clause 4.2.12 on fluid colour has been added.

This Malaysian Standard cancels and replaces MS 119:1990.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.