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JIS K 2398 : 2001

(JACA)

Windshield washer fluids for automobiles

ICS 43.040.99; 71.100.40

Descriptors : windscreen washers, washing, cleaning materials, road vehicle components

Reference number : JIS K 2398 : 2001 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as a result of proposal for revision of Japanese Industrial Standard submitted by the Japan Autochemical Industrial Association (JACA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS K 2398** : 1989 is replaced with this Standard.

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In the event of any doubts arising as to the contents,
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Windshield washer fluids for automobiles

Introduction Though water repellent windshield washer fluids being similar products are different in main components and water repellency, since washing methods are the same from the viewpoint of using this product, the water repellent windshield washer fluids are unified with this Standard and added. In this revision of the standard for windshield washer fluids, the revision is carried out by a thorough review including that of the standard structure. For the revised points, classification and water repellency are adopted as new items, and for influences on rubber, the specification values are partly amended including the dispersion of the standard specimen.

1 Scope This Japanese Industrial Standard specifies the washing fluids (hereafter referred to as “washer fluids”) to be used for washing the windshield of automobiles.

Remarks : Washer fluids mean the fluids to be used to remove the dirt on the windshield of automobiles by using a wiper while they are running.

2 Normative references The standards given in Attached Table 1 contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) given in Attached Table 1 shall be applied.

3 Definitions Definitions of principal terms used in this Standard shall be as follows.

- a) **water repellency** Water repellency means that a water repellent component is adsorbed onto a glass surface to form a hydrophobic film.
- b) **pitting** Pitting corrosion is provided wherein metal corrosion is generated toward to an inside of metal.

4 Classification The classification of washer fluids shall be as given in Table 1.

Table 1 Classification

Classification	Properties	Symbol
Class 1	Non-water-repellent washer fluids mainly composed of alcohol and the like.	WW
Class 2	Water-repellent washer fluids ⁽¹⁾ to which silicone and the like are added.	WC

Note (1) Washer fluid of which the water repellency measured value is ≥ 65 is classed as class 2.

5 Quality The quality of washer fluid shall conform to the requirements shown in Table 2 when it is tested in accordance with 6. Washer fluid, which is either not colored or suitably colored, shall be homogeneous liquid containing no sediment and floating alien matters, and shall have no seriously offensive smell.