

## STANDARD INFORMATION

**Standard:** CSA C22.2 No. 60335-2-8

**Standard ID:**

Household and Similar Electrical Appliances - Safety - Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances (R2021) [CAN/CSA C22.2#60335-2-8:2016 Ed.3+A1;A2]

**Previous Standard ID:**

Household and Similar Electrical Appliances - Safety - Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances [CAN/CSA C22.2#60335-2-8:2016 Ed.3+A1]

Household and Similar Electrical Appliances - Safety - Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances [CAN/CSA C22.2#60335-2-8:2016 Ed.3]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **December 15, 2025**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

All products must be certified to the 3rd edition plus Amendment 2 of CSA C22.2 No. 60335-2-8 prior to the effective date.

### Overview of Changes:

**Amendment 1:**

- Update scope for battery-operated appliances
- Revision to requirements for supply connections

**Amendment 2:**

- Addition of washable clippers, wet clippers, washable epilators and wet epilators
- Additional heating requirements
- New requirements for stability and mechanical hazards
- New requirements for mechanical strength

Specific details of new/revise requirements are found in table below.

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<p>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</p>
<b>The following changes reflect Amendment 1:</b>		
		<b>Scope</b>
		<p>This International Standard deals with the safety of electric shavers, hair clippers and similar appliances intended for household and similar purposes, their rated voltage being not more than 250 V.</p> <p><u>Battery-operated appliances and other d.c. supplied appliances are within the scope of this standard. Dual supply appliances, either mains-supplied or battery-operated, are regarded as battery-operated appliances when operated in the battery mode.</u></p>
1		<p>Appliances not intended for normal household use, but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops and on farms, are within the scope of this standard.</p> <p>As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account</p> <ul style="list-style-type: none"><li>– persons (including children) whose<ul style="list-style-type: none"><li>• physical, sensory or mental capabilities; or</li><li>• lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction;</li></ul></li><li>– children playing with the appliance.</li></ul>
25	Info	<b>Supply connection and external flexible cords</b>
		<p>Flat twin tinsel cord is allowed for appliances intended for household use only as long as they are fitted with a non-rewirable plug.</p> <p>Rubber insulated supply cords of animal shearers shall be polychloroprene sheathed and not be lighter than ordinary polychloroprene sheathed flexible cord (code designation 60245 IEC 57).</p>
25.7		<p>Supply cords shall have a length of at least 1,7 m. <del>This requirement is not applicable to the supply cord on the battery charging unit for shavers for household use only.</del> <u>This requirement is not applicable to supply cords on battery charging units.</u></p>



CLAUSE	VERDICT	COMMENT
<b>The following clauses reflect Amendment 2:</b>		
6	Info	<p><b>Classification</b></p> <p>Animal shearers shall be class I, class II or class III.</p> <p><del>Washable shavers and wet shavers shall be class II or class III.</del></p> <p><u>Washable shavers, wet shavers, washable clippers, wet clippers, washable epilators and wet epilators shall be class II or class III.</u></p> <p>Other appliances having a rated voltage not exceeding 150 V shall be of class 0, class I, class II or class III.</p> <p>Other appliances shall be class II or class III.</p>
6.1		<p><u>Washable shavers, wet shavers, washable clippers, wet clippers, washable epilators and wet epilators shall be at least IPX7.</u> <del>Washable shavers and wet shavers shall be at least IPX7.</del> However, parts that are intended to be fixed, and transformers with pins for insertion into socket-outlets, shall be at least IPX4. This classification does not apply to parts of class III construction.</p>
6.2		<p><u>Washable shavers, wet shavers, washable clippers, wet clippers, washable epilators and wet epilators shall be at least IPX7.</u> <del>Washable shavers and wet shavers shall be at least IPX7.</del> However, parts that are intended to be fixed, and transformers with pins for insertion into socket-outlets, shall be at least IPX4. This classification does not apply to parts of class III construction.</p>
7	Info	<p><b>Marking and instructions</b></p> <p>Hand-held parts of washable shavers, <u>washable clippers, and washable epilators</u> shall be marked with symbol IEC 60417-5574 (2002-10).</p>
7.1		<p>Hand-held parts of wet shavers, <u>wet clippers, and wet epilators</u> shall be marked with symbol IEC 60417-5582 (2002-10).</p> <p>The instructions for animal clippers shall state that the appliance is intended for trimming purposes only.</p> <p>If animal clippers are intended for household use only, this shall be stated. The instructions for animal clippers for commercial use and animal shearers shall include the substance of the following.</p>
7.12		<p>WARNING: Cutting blades may become hot after prolonged use.</p> <p>If symbol IEC 60417-5574 (2002-10) or symbol IEC 60417-5582 (2002-10) is used, its meaning shall be explained.</p> <p>The instructions for <del>shavers</del> <u>appliances</u>, other than washable shavers, wet shavers, <u>washable clippers, wet clippers, washable epilators or wet epilators</u> shall include the substance of the following.</p>



CLAUSE	VERDICT	COMMENT
		<p>WARNING: Keep the appliance dry.</p> <p>The instructions for washable shavers, <u>washable clippers</u>, and <u>washable epilators</u> with detachable interconnection cords shall include the substance of the following:</p> <p>WARNING: Detach the hand-held part from the supply cord before cleaning it in water.</p>
7.12.1		<p><del>The installation instructions for washable shavers and wet shavers, other than those classified IPX7, shall state that the parts that have to be fixed must be installed so they cannot fall into water.</del></p> <p>The instructions for washable shavers, wet shavers, washable clippers, wet clippers, washable epilators and wet epilators, other than those classified IPX7, shall state that the parts that have to be fixed must be installed so they cannot fall into water.</p>
11	Info	<b>Heating</b>
11.8		<p><u>The temperature rise of parts that are in contact with skin in normal use, or are held in the hand, shall not exceed the limits specified for handles which are continuously held in normal use. The temperature rise of parts of hair clippers or trimmers that are in contact with hair in normal use, and may contact the skin for short periods, shall not exceed the limits specified for handles which in normal use are held for short periods only.</u> The temperature rise of cutting blades of animal clippers for commercial use and animal shearers that may come in contact with the animal skin or hair in normal use is 50 K.</p>
20	Info	<b>Stability and mechanical hazards</b>
		<p><b><i>New clause added;</i></b></p> <p>Appliances, other than fixed appliances and hand-held appliances without a charging stand, intended to be used on a surface such as the floor or a table, shall have adequate stability.</p> <p>Compliance is checked by the following test, appliances incorporating an appliance inlet being fitted with an appropriate connector and flexible cord. Hand-held appliances with a charging stand are subjected to the test while placed on their charging stand.</p> <p>The appliance, not connected to the supply mains, is placed in any normal position of use on a plane inclined at an angle of 10° to the horizontal, the supply cord resting on the inclined plane in the most unfavourable position. However, if part of an appliance comes into contact with the horizontal supporting surface when the appliance is tilted through an angle of 10°, the appliance is placed on a horizontal support and tilted in the most unfavourable direction through an angle of 10°.</p>



CLAUSE	VERDICT	COMMENT
		<p>NOTE 101 The test on the horizontal support can be necessary for appliances provided with rollers, castors or feet. In this case, castors or wheels can be blocked to prevent the appliance from rolling.</p> <p>Appliances intended to be filled with liquid by the user in normal use are tested empty or filled with the most unfavourable quantity of water up to the capacity indicated in the instructions.</p> <p>The appliance shall not overturn unless the appliance or the part of the appliance which overturns complies with all of the following:</p> <ul style="list-style-type: none"><li>– it only contains circuits operating at SELV according to 8.1.4;</li><li>– it only contains low power circuits according to 19.11.1;</li><li>– it is dropped from a height of 700 mm on a rigidly supported hard wood board 5 times, the appliance being held in different positions likely to occur. After the drops, the appliance or part of the appliance as relevant shall maintain compliance with 15.1 and 20.2;</li><li>– if the weight is more than 200 g, it does not have sharp edges when ready for use. An edge with a radius of 1 mm or more is not considered a sharp edge.</li></ul> <p>The test is repeated on appliances with heating elements with the angle of inclination increased to 15°. If the appliance overturns in one or more positions, it is subjected to the tests of Clause 11 in each of these overturned positions.</p> <p>During this test, temperature rises shall not exceed the values shown in Table 9.</p>
21	Info	<b>Mechanical strength</b>
		<b><i>New clause added;</i></b>
21.101		<p>Hand-held parts of appliances shall have adequate mechanical strength and be constructed to withstand such rough handling that may be expected in normal use. Compliance is checked by the following test.</p> <p>The hand-held part of the appliance is placed in a sling that is constructed by tying together the four corners of a single layer of cheese cloth. The lowest point of the sling is suspended at a height of 700 mm for animal clippers and animal shearers above a rigidly supported hardwood board surface and at a height 900 mm above a concrete or similar hard surface for other appliances.</p> <p>The hand-held part of the appliance in the sling is dropped from a stationary position. The test is carried out a total of five times with the hand-held part of the appliance being positioned so that it falls onto the surface in five different orientations.</p> <p>The appliance shall not be damaged to such an extent that compliance with 8.1 and Clause 29 is impaired.</p>



CLAUSE	VERDICT	COMMENT
22	Info	<b>Construction</b> Hand-held parts of washable shavers, <u>washable clippers and washable epilators</u> shall be class III construction having a working voltage not exceeding 24 V.
22.26		Hand-held parts of wet shavers, <u>wet clippers and wet epilators</u> shall be class III construction having a working voltage not exceeding 12 V, except when they are being charged, when the working voltage shall not exceed 24 V.  Compliance is checked by inspection and by measurement.
22.36		Hand-held parts shall be class II construction or class III construction.  For appliances having a rated voltage not exceeding 150 V, hand-held parts except those of washable shavers, wet shavers, <u>washable clippers, wet clippers, washable epilators and wet epilators</u> may be of class 0 construction.
22.103		<u>Washable shavers, wet shavers, washable shavers, wet shavers, washable clippers, wet clippers, washable epilators and wet epilators</u> other than those classified IPX7, shall be constructed so that parts that are intended to be fixed can be fixed securely.  Compliance is checked by inspection
25	Info	<b>Supply connection and external flexible cords</b>
25.24		Interconnection cords of washable shavers, <u>washable clippers and washable epilators</u> shall be detachable.  Wet shavers, <u>wet clippers and wet epilators</u> shall not have an interconnection cord unless they cannot be operated when connected to the supply mains.