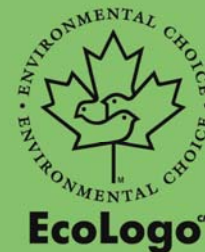


# EcoLogo<sup>CM</sup> Program Certification Criteria Document

CCD-103  
Personal Care Products



## Introduction

The EcoLogo<sup>CM</sup> Program is designed to support a continuing effort to improve and/or maintain environmental quality by reducing energy and materials consumption and by minimizing the impacts of pollution generated by the production, use and disposal of goods and services.

Based on a review of currently available life cycle information, the product category requirements will produce an environmental benefit through a reduction in toxic emissions.

Life cycle review is an ongoing process. As information and technology change, the product category requirements will be reviewed and possibly amended.

## Notice

Any reference to a standard means to the latest edition of that standard.

The EcoLogo<sup>CM</sup> Program reserves the right to accept equivalent test data for the test methods specified in this document.

## Interpretation

1. In this criteria document:

"APEO" means alkylphenol ethoxylate;

"CSCA" means the Corporate Standard of Compassion for Animals;

"EDTA" means ethylene diaminetetraacetic acid or ethylene dinitrilotetraacetic acid or any of its salts;

"IARC" means the International Agency for Research on Cancer (IARC);

"NTA" means nitrilotriacetic acid or any of its salts;

"readily biodegradable" for a component, is determined using any of the six test methods described in OECD Guidelines for Testing of Chemicals, 301A-301F; for a whole formulation, is determined using one of the methods described in OECD Guidelines for the Testing of Chemicals, provided that all measurements and calculations are based on the carbon content of the mixture and its degradation,

i.e. dissolved organic carbon (DOC) removal (301A or 301E), CO<sub>2</sub> evolution (301-B) or oxygen consumption in the presence of an inhibitor of nitrogen metabolism (301C, 301D or 301F); and

**“very acutely toxic”** means aquatic toxicity of LC<sub>50</sub> or EC<sub>50</sub> < 1 mg/L as measured by short-term sensitivity testing with a battery of toxicity tests using three different species of divergent taxonomic and ecological ranks. These species should be physiologically and ecologically similar to organisms that reside in North American ecosystems. Listed below are acceptable methods.

- on an aquatic vertebrate species using **one** of the following:
  - Report EPA-821-R-02-012, “Methods for measuring the acute toxicity of effluents and receiving waters to freshwater and marine organisms”, 2002, U.S. Environment Protection Agency; **or**
  - ISO 7346/1:1996 – “Water quality - Determination of the acute lethal toxicity of substances to a freshwater fish [*Brachydanio rerio* Hamilton-Buchanan (*Teleostei*, *Cyprinidae*) - Part 1: Static method”, International Standardization Organization; **or**
  - ISO 7346/2:1996 – “Water quality - Determination of the acute lethal toxicity of substances to a freshwater fish [*Brachydanio rerio* Hamilton-Buchanan (*Teleostei*, *Cyprinidae*)] - Part 2: Semi-static method”, International Standardization Organization; **or**
  - ISO 7346/3:1996 – “Water quality - Determination of the acute lethal toxicity of substances to a freshwater fish [*Brachydanio rerio* Hamilton-Buchanan (*Teleostei*, *Cyprinidae*)] - Part 3: Flow-through method”, International Standardization Organization; **or**
  - Report EPS 1/RM/9, “Biological Test Method: Acute Lethality Test Using Rainbow Trout”, July 1990, Environment Canada.
  
- on an aquatic invertebrates species using **one** of the following:
  - Report EPA-821-R-02-012, “Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms”, October 2002, U.S. Environment Protection Agency; **or**
  - Report EPS-1-RM-11, “Biological Test Method: Acute Lethality Test Using *Daphnia* spp.”, July 1990, Environment Canada; **or**
  - Report OECD/OCDE-202, “Daphnia sp. Acute Immobilisation Test”, April 2004, Organization for Economic Cooperation and Development; **or**
  - ISO 6341:1996, “Water quality - Determination of the Inhibition of the Mobility of *Daphnia magna* Straus (*Cladocera*, *Crustacea*)”, International Standardization Organization.
  
- on a freshwater microalgae using **one** of the following:
  - Report EPA-821-R02-013 (section 14), “Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms”, October 2002, U.S. Environment Protection Agency **or**
  - Report EPS-1-RM-25, “Biological Test Method: Growth Inhibition Test Using a Freshwater Algae”, March 2007, Environment Canada; **or**

- Freshwater Alga and Cyanobacteria, Growth and Inhibition Test, Report OECD/OCDE-201, March 2006, Organization for Economic Cooperation and Development; or
- ISO 8692: 2004, "Water quality – Freshwater algal growth inhibition test with unicellular green algae", International Standardization Organization.

## Category Definition

2. This category includes all personal care products.

## General Requirements

3. To be authorized to carry the EcoLogo<sup>CM</sup>, the personal care products must:
  - (a) meet or exceed all applicable governmental and industrial safety and performance standards; and
  - (b) be manufactured and transported in such a manner that all steps of the process, including the disposal of waste products arising therefrom, will meet the requirements of all applicable governmental acts, by laws and regulations.

## Product Specific Requirements

4. To be authorized to carry the EcoLogo<sup>CM</sup> the personal care products must:
  - (a) not be tested on animals as per CSCA;
  - (b) be readily biodegradable;
  - (c) not be formulated or manufactured with any chemicals that are included in the IARC lists for proven (Group 1) or probable (Group 2A) carcinogens;
  - (d) not be very acutely toxic;
  - (e) not be formulated or manufactured with phosphates;
  - (f) not be formulated or manufactured with NTA;
  - (g) not be formulated or manufactured with EDTA;

- (h) not be formulated or manufactured with APEOs;
- (i) not contain halogenated organic solvents or butoxy-ethanol;
- (j) be produced in a manner such that the materials used in the manufacture can be recycled.

## Verification

5. To verify a claim that a product meets the criteria listed in the document, the EcoLogo<sup>CM</sup> Program will require access, as is its normal practice, to relevant quality control and production records and the right of access to production facilities on an announced basis.
6. Compliance with section 3(b) shall be attested to by a signed statement of the Chief Executive Officer or the equivalent officer of the manufacturer. The EcoLogo<sup>CM</sup> Program shall be advised in writing immediately by the licensee of any non-compliance which may occur during the term of the license. On the occurrence of any non-compliance, the license may be suspended or terminated as stipulated in the license agreement.

## Conditions for EcoLogo<sup>CM</sup> Use

7. The EcoLogo<sup>CM</sup> may appear on wholesale or retail packaging, or on the product itself, provided that the product meets the requirements in this document.
8. It is recommended that a criteria statement appear with the EcoLogo<sup>CM</sup> whenever the EcoLogo<sup>CM</sup> is used in association with the personal care product. The intent of this statement is to provide clarification as to why the product was certified and to indicate constraints to which the certification is limited. This is to ensure no ambiguity over, or misrepresentation of, the reason(s) for certification.

The suggested criteria statement wording for this product type is “*personal care product*”. The licensee may propose other wording for the criteria statement, but any such proposed wording must be approved by the EcoLogo<sup>CM</sup> Program.

9. All licensees and authorized users must comply with the Program's *Guide to Proper Use of the EcoLogo<sup>CM</sup>* regarding the format and usage of the EcoLogo<sup>CM</sup>.
10. Any accompanying advertising must conform with the relevant requirements stipulated in this document, the license agreement and the Program's *Guide to Proper Use of the EcoLogo<sup>CM</sup>*.

**For additional copies of this criteria document or for more information about  
the EcoLogo<sup>CM</sup> Program, please contact:  
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