



公益財団法人 日本環境協会
エコマーク事務局

Eco Mark Product Category No.167 [Certification Criteria](#) Cleaning Products Version1.1

Category A. Cleaning agents

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NOTE: This document is a translation of the criteria written in Japanese. In the event of dispute, the original document should be taken as authoritative.

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1. Purpose of Establishing Certification Criteria

Omitted.

2. Applicable Scope

This product category covers the products shown in Table 1, which are among cleaning chemicals used by cleaning service businesses defined by the “Act on Maintenance of Sanitation in Buildings” as “construction material cleaning businesses” and “construction material sanitation management businesses”. Products sold primarily for household use are out of scope.

Table 1. List of target items

Target item		Usage
Main classification	Sub-classification	
Floor maintenance agents	Water-based floor polishes and polymers (resin waxes)	Protection of flooring materials and maintenance/improvement of appearance
	Others (including coating materials)	
Cleaning agents for business use*	Hand washing agents (including soaps and liquid soaps)	Hand washing
	Glass cleaning agents	Glass cleaning
	Toilet cleaning agents	Toilet cleaning
	Floor cleaning agents	Cleaning of carpet flooring, hard flooring, elastic flooring, wooden flooring, etc.
	Others	Cleaning agents for applications not listed above
Other chemicals (including stripping agents) ^{Note)}		Chemical cleaning agents for applications not listed above

Note) excluding alkaline electrolyzed water

3. Terminology

Omitted.

4. Certification Criteria and Certification Procedure

The required items shall be described in the attached certificate to show compliance with each criteria item, and documentation shall be submitted to verify meeting each criteria item.

4-1. Environmental Criteria and Certification Procedure

4-1-1 Resource Saving and Recycling

- (1) The product packaging shall be designed considering volume reduction, reuse, ease of recycling, etc. A plastic container or packaging, if used, shall not use plastics containing halogen in the polymer backbone.

[Certification Procedure]

Conformance to this item and design consideration shall be stated in the attached certificate.

For a plastic container or packaging whether plastics containing halogen elements in the polymer backbone are used or not shall be stated in the attached certificate.

4-1-2. Prevention of global warming

- (2) Water-based cleaning agents for business use and other chemicals shall be supplied in concentrated form for dilution before use (to increase shipping efficiency).

When, due to their properties or for ease of handling, these classes of material need to be supplied in ready to use form, refill products that can be filled into the main container shall be sold or supplied, or the product shall be designed to be refilled by the facility manager or other staff into containers installed at the customer's facility.

Note, this item (2) does not apply to hand washing agents corresponding to item (12)

[Certification Procedure]

The standard thinning ratio shall be described in the attached certificate, and a photograph of the relevant part of the main container, design document, or explanatory documentation confirming the notation of the standard thinning ratio shall be submitted.

When refill products that can be filled into the main container are available, catalogs or other written notation verifying their availability shall be submitted.

For products designed to be refilled into containers installed at the customer's facility, a catalog shall be submitted.

4-1-3. Restriction and control of Hazardous Substances

- (3) At the normally used concentration, the product shall not correspond to a hazard category or hazard information code according to the GHS classification of health hazards shown in Table 2. In addition, if the product corresponds to a hazard category or hazard information code according to the GHS classification of health hazards shown in Table 3 at the normally used concentration, cleaning workers must wear suitable protective equipment.

Table 2. Restricted GHS health hazard

Health Hazard class	Hazard category	GHS hazard statement code
Germ cell mutagenicity	category 1 (1A, 1B)	H340: May cause genetic defects
Carcinogenicity	category 1* (1A, 1B)	H350: May cause cancer
Reproductive toxicity	category 1* (1A, 1B)	H360: May damage fertility or the unborn child

*Table 2 does not apply to the hazards derived from ethanol.

Table 3. GHS classification health hazard

Health Hazard class	Hazard category	GHS hazard statement code
Acute Toxicity (dermal/ inhalation)	category1, 2	H310:Fatal in contact with skin H330:Fatal if inhaled
Skin corrosion/ irritation	category1 (1A, 1B, 1C)	H314:Causes severe skin burns and ay damage
Serious eye damage/ eye irritation	category1	H318:causes severe eye damage
Respiratory sensitization	category1 (1A, 1B)	H334:May cause allergy symptoms or breathing difficulties if inhaled
Skin sensitization	category1 (1A, 1B)	H317:May cause an allergic skin reaction
Specific target organ toxicity (single exposure)	category1	H370:Causes damage to organs
Specific target organ toxicity (repeated exposure)	category1	H372:Causes damage to organs through prolonged or repeated exposure

[Certification Procedure]

A safety data sheet (SDS) of the product or a certificate showing the evaluated GHS hazard classification shall be submitted. Appended Sheet 1 gives details on the classification evaluation.

Note) Confirm using the classification result for the most recent version in use at the time of the assessment. When the version in use at the time of assessment differs to that in use when the application for Eco Mark certification was made, the assessment shall be carried out within one year of the application.

In addition to the above-mentioned certificate, if the product corresponds to a hazard category or hazard information code according to the GHS classification of health hazards shown in Table 3 at the normally used concentration, a photograph of the relevant part of the main container, design document, or explanatory documentation confirming the notation of suitable protective equipment, together with the enforcement of its usage, shall be submitted.

(4) The product shall not contain volatile organic compounds (Table 4)

specified in the indoor concentration guideline values of the Ministry of Health, Labour and Welfare.

Table 4 volatile organic compounds specified in the indoor concentration guideline values

Substance name
Formaldehyde
Acetaldehyde
Toluene
Xylene
Ethylbenzene
Styrene
Paradichlorobenzene
Tetradecane
Chlorpyrifos
Fenobucarb
Diazinon
Dibutyl phthalate
Di-2-ethylhexyl phthalate (DEHP)

[Certification Procedure]

Conformance to this item shall be stated in the attached certificate and the SDS of the product shall be submitted.

- (5) If the applying product uses a chemical substance designated by any of the Act on the Assessment of Releases of Specific Chemical Substances in the Environment and the Promotion of Management Improvement (PRTR Law: Pollutant Release and Transfer Register), Industrial Safety and Health Act, or Poisonous and Deleterious Substances Control Act, at a concentration higher than that “required on the SDS” as stipulated in Paragraph 5.4, Table 1 of JIS Z 7253 “Hazard communication of chemicals based on GHS – Labelling and Safety Data Sheet (SDS)”, the applicant or manufacturer shall list it on the product SDS.

[Certification Procedure]

The SDS of the product shall be submitted.

- (6) The product shall not contain, as a prescription constituent, organofluorine compounds designated as Class 1 Specified Chemical Substances by the Chemical Substances Control Law (Act on the Regulation of Manufacture and Evaluation of Chemical Substances), as shown in Table 5.

Table 5. Organofluorine compounds designated as Class 1 Specified Chemical Substances by the Chemical Substances Control Law

Chemical substance
Perfluoro(octan-1-sulfonic acid) (PFOS) or its salts
Perfluoro(octan-1-sulfonyl) fluoride (PFOSF)
Perfluorooctanoic acid (PFOA), or PFOA isomers consisting of branched, 8-carbon atom perfluoroalkanoic acids, or their salts
PFOA-related compounds (perfluorooctyl iodide, 8:2 fluorotelomer alcohol, and substances specified by ordinances issued by the Ministry of Health, Labour and Welfare, the Ministry of Economy, Trade and Industry, or the Ministry of the Environment)
Perfluoro(hexan-1-sulfonic acid) (PFHxS), or branched, 6-carbon atom perfluoroalkanoic acids, or their salts
[Certification Procedure] Addition or not shall be indicated in the Attached Certificate.

- (7) The product shall not be added inorganic phosphate as a prescription constituent.

[Certification Procedure]
Addition or not shall be indicated in the Attached Certificate.

- (8) Cleaning agents for business use and other chemicals shall not contain, as a prescription constituent, alkyl phenol ethoxylate surfactants containing alkyl groups with 5 to 9 carbon atoms (APEOs).

[Certification Procedure]
Addition or not shall be indicated in the Attached Certificate.

- (9) When stripped waste liquid is generated from the use of floor maintenance agents and stripping agents, (including products designed to avoid the discharge of such waste into public water courses), a description that this waste must be treated as industrial waste shall be included on the body of the main container.

[Certification Procedure]
Conformance shall be described in the attached certificate. A photograph of the relevant part of the main container, design document, or explanatory documentation confirming the notation that the stripped waste liquid must be treated as industrial waste shall also be submitted.

- (10) The applicant shall submit all the below information a) to c)

connected to the handling of the chemical, included on the main container, etc.

- a) Correct usage method
- b) Standard usage amount
- c) Correct disposal method

[Certification Procedure]

Conformance shall be described in the attached certificate. A photograph of the relevant part of the main container, design document, or explanatory documentation confirming the notation of each item shall also be submitted.

- (11) In manufacturing the applying product, related environmental laws and regulations and pollution control agreement (hereinafter referred to as the “Environmental Laws, etc.”) must be followed with respect to air pollution, water contamination, noise, offensive odor, and emission of hazardous substances in the area where the plant performing the final manufacturing process is located.

In addition, the state of compliance with the Environmental Laws, etc. for the past five years from the date of application (whether there is any violation) must be reported. If there is any violation, proper remedies and preventive measures shall have been already taken, and the related Environmental Laws, etc. must thereafter be followed appropriately.

[Certification Procedure]

With respect to the compliance with the Environmental Laws, etc. in the area where the plant performing the final manufacturing process is located, a certificate issued by the representative of the manufacturer of the applying product or the relevant plant manager (entry or attachment of a list of names of the Environmental Laws, etc.) must be submitted.

In addition, the applicants shall report whether there is any violation in the past five years, including a violation subject to administrative punishment or administrative guidance, and if there is, the following documents in a and b must be submitted:

- a) With respect to the fact of violation, guidance documents from administrative agencies (including order of correction and warning) and copies of written answers (including those reporting causes and results of correction) to such documents (clearly indicating a series of communication).

b) Following materials (copies of recording documents, etc.) concerning the management system for compliance with the Environmental Laws, etc. in 1)-5)

1) List of the Environmental Laws, etc. related to the area where the plant is located;

2) Implementation system (organizational chart with roles, etc.);

3) Bylaws stipulating retention of recording documents;

4) Recurrence prevention measures (future preventive measures);

5) State of implementation based on recurrence prevention measures (result of checking of the state of compliance, including the result of onsite inspection).

4-1-4. Conservation of Biodiversity

(12) Hand washing agents that use vegetable oils shall use sustainable raw materials. All the below conditions a) to c) shall be met.

a) The raw materials used have been certified as sustainable by RSPO (Roundtable on Sustainable Palm Oil) or similar bodies.

b) A plan has been created for sustainable procurement of the raw material (including a request for a “Viewpoint on sustainability of vegetable oils”, [Appended Table 1](#)), and this plan is being used as the basis for material procurement.

c) The raw materials used conform with the “Viewpoint on sustainability of vegetable oils”, [Appended Table 1](#).

[Certification Procedure]

a) A copy of the RSPO certificate shall be submitted.

b) A plan for sustainable procurement of the raw material (including the requested viewpoint in [Appended Table 1](#)) shall be submitted, along with documentation showing procurement based on this plan and the origin of the vegetable oil (farm location and production process diagram).

c) When confirming sustainability with [Appended Table 1](#), documentation on the viewpoint on vegetable oil sustainability and the origin of the vegetable oil (farm location and production process diagram) shall be submitted.

(13) At the normally used concentration, cleaning agents for business use and other chemicals (excluding stripping agents) shall not correspond to a hazard category or hazard information code according to the GHS classification of environmental hazards shown in Table 6. However,

even if the short term (acute) hazard to the aquatic environment (Table 6) corresponds to Category 1 or H400, usage is acceptable if the degree of biodegradability meets the required level when determined by any of the methods in Table 7, or if the BOD5/COD ratio is 0.5 or higher. Alternatively, usage is acceptable if the bio-accumulative properties at the normally used concentration meet the required level when determined by any of the methods in Table 8.

Table 6. Restricted GHS Environment hazards

Environment hazard class	GHS hazard category	GHS hazard statement code
Hazardous to the aquatic environment acute (short-term)	Category1	H400:very toxic to aquatic life
Hazardous to the aquatic environment chronic (long-term)acute	Category1	H410:very toxic to aquatic life with long lasting effects

Table7. Test method for biodegradability

Test method		Pass level*
OECD TG 301A	Biodegradability test by DOC	70%
OECD TG 301C、F	Biodegradability test by BOD	60%
OECD TG 301D	Biodegradability test by Closed Bottle	60%

*Chemicals which reach the pass levels within the 28-days period are deemed to be readily biodegradable.

Table 8. Test method for bioaccumulation

Test method		Pass level*
OECD TG 305	Bioaccumulation in Fish: Aqueous and Dietary Exposure	BCF \geq 500
OECD TG 107	Partition Coefficient (n-octanol/water): Shake Flask Method	logKow \geq 4
JIS Z 7260-107	Partition coefficient (1-octanol/water) Shake flask method	logKow \geq 4

[Certification Procedure]

A safety data sheet (SDS) of the product or a certificate showing the evaluated GHS hazard classification shall be submitted. **Appended Sheet 1** gives details on the classification evaluation.

Note) Confirm using the classification result for the most recent

version in use at the time of the assessment. When the version in use at the time of assessment differs to that in use when the application for Eco Mark certification was made, the assessment shall be carried out within one year of the application.

If the short term (acute) hazard to the aquatic environment (Table 6) corresponds to

Category 1 or H400 at the normally used concentration, test results from a 3rd party testing agency showing the degree of biodegradability or bioaccumulative properties of the product shall be submitted in addition to the above certificate. If using BOD5/COD ratio to demonstrate the degree of biodegradability, BOD (5 days) and COD shall be described on the SDS, and the BOD5/COD ratio shall be described on the accompanying certificate.

4-2. Quality Criteria and Certification Procedure

(14) Regarding product quality, quality management shall be made according to related JIS, industry standards, standards of an inspection organization, or standards of its own.

[Certification Procedure]

Quality test results shall be submitted as a compliance with the corresponding quality standards.

5. Considerations

It is desirable to consider the following items, although they are not requirements for certification. The response to this item shall be described in the attached certificate.

(1) The product has the appropriate hydrogen ion concentration (pH) for the cleaning purposes (pH5 to pH9 at the use).

(2) Quantitative environmental information on greenhouse gas emissions throughout the life cycle of the applied product, from the procurement of the raw materials to the disposal and recycling, shall be disclosed, which is calculated by converting into carbon dioxide equivalents based on the global warming potential (when applying for multiple types at once, calculation by a representative type is acceptable). It shall be possible to explain that the quantitative

environmental information has been calculated in accordance with the Carbon Footprint (ISO 14067), Life Cycle Assessment (ISO 14040 and ISO 14044), or “Carbon Footprint Guidelines” prepared by the Ministry of Economy, Trade and Industry and the Ministry of the Environment. The medium for disclosing the quantitative environmental information (URL of the calculation report, etc.) shall be disclosed as part of product information on the Eco Mark website.

6. Product Classification, Indication and Others

(1) Product classification (application unit) shall be made by each product listed in Table 1 and by product brand name. Classification by content volume is not performed.

(2) In principle, Eco Mark shown as below shall be indicated on the product. Regarding licensee of Eco Mark Utilization Contract who already own Eco Mark products, the indication of the logo and certification number that have been used is also acceptable.



(Note for the indication)

* For indicating the logo, Eco Mark certification number (eight-digit number) or the name of the licensee using the logo shall be appeared.

* Such expression as “Eco Mark product” can be used following the 2.(2) of the Guide to Eco Mark Usage.

“Eco Mark product”, “#Eco Mark”, “www.ecomark.jp”, “Eco Mark Certificate”

* In accordance with “Environmental Labeling Guidelines” of the Ministry of the Environment of Japan, etc., the environmental claims of certified products may be indicated in association with Eco Mark. (<https://www.env.go.jp/policy/hozen/green/ecolabel/guideline/>)

* The Guide to Eco Mark Usage shall be followed for any cases not listed above.

(<https://www.ecomark.jp/office/guideline/guide/>)

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April 1, 2025	Revised (5.(2) added, Version 1.1)
December 31, 2031	Expiration date

The Certification Criteria for the Product Category will be revised when necessary.

Appended Sheet 1. Flowchart for GHS classification judgement

Omitted

Supplement: definition of judgement results in GHS classification
(Quote from JIS Z 7252 “Classification of chemicals based on GHS”)

Omitted

Appended Table 1 Sustainability aspects of vegetable oils

No	Purpose	Request (Item that must be realized)	Subject	Realized	Implementation Method (Check off all relevant items.)
1	Prevention of global warming, conservation of the natural ecosystem	No new planting is taking place in peatlands, and all existing cultivation in peat soil is being responsibly managed (since November 15, 2018).	Farm	<input type="checkbox"/> Yes/ <input type="checkbox"/> No <input type="checkbox"/> Not applicable due to residues or wastes*	<input type="checkbox"/> Understood by using a map of peatlands within the supply area. <input type="checkbox"/> Understood the local situation by conducting local assessments and interviews. <input type="checkbox"/> Understood that one or more of the below is being maintained regarding groundwater levels where existing cultivation on peat soil is taking place. •Groundwater levels set by national regulations are being maintained. •The average depth below the land surface is 50 cm (between 40–60 cm). •The average water level measured in the water catchment area is 60cm below the land surface (between 50–70 cm).
2	Conservation of the natural ecosystem	No deforestation for the cultivation of new land is taking place. Furthermore, the protection and improvement of forests with high conservation value and which provide high carbon sequestration is ongoing.	Farm	<input type="checkbox"/> Yes/ <input type="checkbox"/> No <input type="checkbox"/> Not applied - residues or waste*	<input type="checkbox"/> Understood the local situation by conducting on-site assessments and hearings. <input type="checkbox"/> Conservation activities for forests important for the protection of ecosystems are ongoing. <input type="checkbox"/> The impact on the landscape caused by roads and irrigation systems to farms is being kept to the minimum necessary. <input type="checkbox"/> Legal provisions to protect species and habitats are being respected. <input type="checkbox"/> Conservation activities for habitats with high importance for protection are ongoing. <input type="checkbox"/> Activities to protect features such as water courses and wetlands, peatlands, waterside areas, and steep slopes are ongoing. <input type="checkbox"/> No illegal hunting, fishing, or collection of natural resources is taking place. <input type="checkbox"/> Initiatives are being taken to prevent conflicts

No	Purpose	Request (Item that must be realized)	Subject	Realized	Implementation Method (Check off all relevant items.)
					between humans and wild animals (e.g. preventing animals from entering arable land).
3	Prevention of global warming,	Projects aimed at reducing pollution and emissions, including greenhouse gases (GHG), are being undertaken.	Oil mill	<input type="checkbox"/> Yes/ <input type="checkbox"/> No	<input type="checkbox"/> Understood the local situation by conducting on-site assessments and hearings. <input type="checkbox"/> Others (Describe specifically.) []
4	Prevention of land acidification/nutrient enrichment/water contamination	The applicant has gained the understanding of usage situation of fertilizers/agricultural chemicals in the cultivation area. Any agricultural chemical regulated under the “Stockholm Convention on Persistent Organic Pollutants” (POPs Treaty) and laws and regulations in the cultivation is not used.	Farm	<input type="checkbox"/> Yes/ <input type="checkbox"/> No/ <input type="checkbox"/> Not applicable due to an independent small farmer / <input type="checkbox"/> Not applicable due to residues or wastes*	<input type="checkbox"/> Confirmed the laws and regulations concerning fertilizers/agricultural chemicals on the site. <input type="checkbox"/> Understood the local situation by conducting on-site assessments and hearings. <input type="checkbox"/> Defined and released the guideline for procurement of plant oils. Alternatively, conforming to the guideline of an independent third party. - Name of the guideline: - Location of release: <input type="checkbox"/> Also using the certification system of an independent third party, regarding the procurement of plant oils. -Name of certification system: <input type="checkbox"/> Others (Describe specifically.) []
5	Appropriate water usage	The water usage situation (no negative impact on pollution and drinking water connected to the use of the water) at major plantations and incubation ponds is understood.	Farm	<input type="checkbox"/> Yes/ <input type="checkbox"/> No <input type="checkbox"/> Not applicable due to residues or wastes*	<input type="checkbox"/> Confirmed the laws and regulations concerning usage of water (limits on the amount of water) on the site. <input type="checkbox"/> Understood the local situation by conducting on-site assessments and hearings. <input type="checkbox"/> Defined and released the guideline for procurement of plants. Alternatively, conforming to the guideline of an independent third party. - Name of the guideline:

No	Purpose	Request (Item that must be realized)	Subject	Realized	Implementation Method (Check off all relevant items.)
					- Location of release: <input type="checkbox"/> Also using the certification system of an independent third party, regarding the procurement of plants. -Name of certification system: <input type="checkbox"/> Others (Describe specifically.) []
6	Prevention of forest and peat fires	Fire is not being used to prepare the ground within managed areas.	Farm	<input type="checkbox"/> Yes/ <input type="checkbox"/> No <input type="checkbox"/> Not applicable due to residues or wastes*	<input type="checkbox"/> Understood the local situation by conducting on-site assessments and hearings.
7	Elimination of child labor and forced labor	The absence of child labor or forced labor has been confirmed.	Farm •Oil mill	<input type="checkbox"/> Yes/ <input type="checkbox"/> No	<input type="checkbox"/> Understood the local situation by conducting on-site assessments and hearings. <input type="checkbox"/> Certified by a third party certification evaluating sustainability (including the ban of child labor or forced labor). <input type="checkbox"/> Others (Describe specifically.) []
8	Legal compliance	The applicant complies with relevant environmental laws and regulations, pollution prevention agreements and other laws regarding air pollution, water pollution, noise, vibrations, odors, and emissions of harmful substances.	Oil mill	<input type="checkbox"/> Yes/ <input type="checkbox"/> No	•Name of the oil mill []

* Residues or waste defined in EU RED