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## Information Request - CleanGredients™ - Ingredient Information

### **Why did I receive this request?**

For your ingredient to be listed on the web-based CleanGredients™ database, you must complete a third party review of the biodegradability and aquatic toxicity of your ingredient and/or each of its components. The third party reviewer, NSF International, must confirm that your ingredient meets the requirements for listing on CleanGredients™ (For more information about CleanGredients™ and the requirements for listing please go to [www.cleangredients.org](http://www.cleangredients.org)). Filling out the attached forms will initiate this review. Once NSF International has received this request, a business contract will be sent to your company with a cost estimate for this review.

### **Who is NSF?**

NSF International (NSF) is an independent, not-for-profit organization of scientists, engineers, technicians, educators, and analysts. NSF currently provides testing, certification, and audit services for more than 130,000 products in 82 countries worldwide. It is a trusted neutral non-governmental agency, serving government, industry, and consumers in achieving solutions to problems relating to public health and the environment since 1944. The mission of NSF is to provide clients and the general public with objective, high quality, timely, third-party certification services. Services include development of consensus standards, voluntary product testing and certification with policies and practices which protect the integrity of registered Marks, education and training, and research and demonstration, all relating to public health and the environmental sciences.

### **What information do I provide?**

Please include every component in your ingredient<sup>1</sup>. Please note that only surfactant ingredients will be reviewed at this time<sup>2</sup>. Other ingredients, such as fragrances, preservatives, builders...etc. will be accepted when criteria is developed for that chemical class. Each component must be associated with a single CAS#. Please submit the following information:

- 1) Ingredient Information Form
  - a. Complete sections 1-3 only once per submission
  - b. Complete sections 4 & 5 for each ingredient
- 2) A MSDS for each component
- 3) Aquatic toxicity data on the ingredient as a whole or each individual component
- 4) Biodegradability data on the ingredient as a whole or each individual component

### **What if a component is proprietary?**

Please contact your supplier and ask them to fill out the Ingredient Information Form for the proprietary component and to submit this information directly to NSF. Contact information is provided below.

### **Will my information remain confidential?**

Only NSF authorized personnel are permitted accesses to the information provided on this form. The security of this form and the information it contains is maintained through our confidential business information procedures and will not be revealed or provided to applicants, their suppliers, or other parties without your company's prior written consent.

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<sup>1</sup> An ingredient, for the purposes of the CleanGredients™ database, refers to a single surfactant component or a complex blend of solvents, stabilizers, co-surfactants, etc in a mixture in which they do not react.

A component, for the purposes of the CleanGredients™ database, refers to each individual chemical intentionally added or at concentrations higher than 0.1%, including but not limited to the active surfactants, that comprise the ingredient as listed. Each component must be associated with a single CAS#.

<sup>2</sup> The U.S. Environmental Protection Agency's Design for the Environment Program (DfE) has developed a list of common solvents that have been reviewed through the DfE Formulator program and found to be acceptable for use in cleaning product ingredients. This list will be used initially to accept solvents in surfactant ingredients. The list may change when the criteria for solvents are developed.



# Ingredient Information Form

<p><b>NSF USE ONLY</b></p> <p>DCC: _____</p>
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**The information requested on this form is important to NSF.  
Please complete and return this form as soon as possible, or call 651-493-4247 for assistance.**

## 1. Company information:

Company name _____	Company contact _____
Address _____	Telephone number (____) _____
_____	FAX number (____) _____
_____	Email _____

## 2. Certification statement:

I hereby certify that, to the best of my knowledge, the information provided to NSF is accurate and complete.

Signature \_\_\_\_\_ Date \_\_\_\_\_

For forms submitted electronically, check this box to indicate agreement to the Certification Statement above (required).

Typed or printed name \_\_\_\_\_

Position/Title \_\_\_\_\_

## 3. Return instructions:

**To send by e-mail**, completely fill out the form, and type your name and contact information in Section 4. Check the box indicating your agreement with the certification statement. **Send your e-mail to [tmcgrath@nsf.org](mailto:tmcgrath@nsf.org).**

**To send by fax**, completely fill out and sign the form, then fax to **734-827-3871**. This fax number goes to a secure computer in the Toxicology Services department of NSF International.

**To send by U.S. mail or courier**, insert completed form in an envelope marked "Confidential Business Information," seal in an outer envelope, and return to:

Toxicology Specialist, CleanGredients  
 NSF International  
 789 Dixboro Road  
 Ann Arbor, MI. 48105  
 USA





## 5. Supplier Submission Package Checklist

Yes  No 1. Ingredient Information Form is completed. The information must include the chemical names, trade names, CAS#s and percentages (suppliers may use a percent range).

Yes  No 1.1 All chemicals deliberately added or known to be present at concentrations  $\geq 0.1\%$  are reported in the submission.

Yes  No 1.2 Check here if your ingredient contains a component purchased from an outside company and your company is not aware of the exact composition of that component (i.e. you do not have CAS#s for a proprietary component).

Yes  No 1.3 A MSDS for the ingredient and each component is attached

Yes  No 1.4 This ingredient contains only surfactant ingredients and water

Yes  No 1.5 This ingredient contains a solvent.

Note: The U.S. Environmental Protection Agency's Design for the Environment Program (DfE) has developed a list of common solvents that have been reviewed through the DfE Formulator program and found to be acceptable for use in cleaning product ingredients. This list will be used initially to accept solvents in surfactant ingredients. The list may change when the criteria for solvents are developed.

Yes  No 1.6 This ingredient contains other auxiliaries such as builders, chelators, preservatives, dyes, fragrances, or other non-surfactant materials.

Note: These ingredients cannot be included in the database at this time, but may be reconsidered when the criteria for each chemical class is developed.

Yes  No 2. Data for acute aquatic toxicity of the ingredient as a whole or for each individual component is included.

Check the correct option

Data on the ingredient as a whole

Data on every individual component

Data on some components

Check all appropriate data sources.

Raw study/Original Laboratory Report

Risk assessment or robust summary (i.e. HERA or HPV report)

Peer reviewed literature source

Modeled/predicted from an analogue

Note: While CleanGredients™ accepts data on the ingredient as a whole OR each individual component, the DfE Screen requires data on each individual component. The literature search performed by NSF will help to fill any data gaps.



Yes  No 2.1 Aquatic toxicity test data is referenced and traceable to the source.

Note: Test data must be traceable to the source to be accepted as valid. Hence a reference to the source of the test result is needed. The reference must be specific enough to enable us to find the original data source. Data from a MSDS without a reference is not acceptable.

Yes  No 3. Data on biodegradability for the ingredient as a whole or for each individual component is included.

Check the correct option

- Data on the ingredient as a whole
- Data on every individual component
- Data on some components

Check all appropriate data sources.

- Raw study/Original laboratory report
- Risk assessment or robust summary (i.e. HERA or HPV report)
- Peer reviewed literature source

Note: While CleanGredients™ accepts data on the ingredient as a whole OR each individual component, the DfE Screen requires data on each individual component. The literature search performed by NSF will help to fill any data gaps.

Yes  No 3.1 Biodegradability test data is referenced and traceable to the source.

Note: Test data must be traceable to the source to be accepted as valid. Hence a reference to the source of the test result is needed. The reference must be specific enough to enable us to find the original data source. Data from a MSDS without a reference is not acceptable.

Yes  No 4. The ingredient as a whole or each of its individual components meets the requirements for Ultimate Biodegradability according to OECD 301 series or similar tests (>60% ThOD/ThCO<sub>2</sub> or >70% DOC in 28 days).

Note: Ingredients that do not meet the biodegradability requirements above will not be considered further

### **Formulation information: What should I enter in each column?**

- [1] The **CAS number** (Chemical Abstracts Service registry number) is a systematic numbering convention that uniquely identifies each chemical. You may be able to find this information on the MSDS for the ingredient. If the ingredient is a mixture of several chemicals, enter the word “mixture.” There are multiple resources available on the web and elsewhere for finding specific CAS numbers (e.g., <http://chem.sis.nlm.nih.gov/chemidplus/cmplxqry.html>). All CAS numbers are up to nine digits, which are separated into three groups by hyphens. The first part of the number, starting from the left, has up to six digits; the second part after the first hyphen has two digits. Finally, the third part of the CAS number following the last hyphen is single digit. For example, a CAS number may look 123456-12-1. If it is not in this format, it is not a valid CAS number. If you cannot determine a CAS number for an ingredient, leave this area blank.
- [2] The **chemical name** for each component can be found on the MSDS.
- [3] The **trade name** is the unique name or number of the ingredient as you buy it from your supplier. This information can be obtained from your purchasing department.
- [4] The **supplier** is the company from whom you buy this ingredient. If you know that your supplier is a distributor, and you know the name of the company that manufactures the ingredient, please enter both company names here. Write (D) after the distributor’s name, and (M) after the manufacturer’s name. For each ingredient that you buy from more than one supplier, please enter each chemical name, trade name, supplier, and % on a separate line.
- [5.] A single surfactant CAS number may represent a wide range of carbon chain length and/or number of ethoxylates. Detailed information on the specific chemical you are using will help NSF perform an accurate review of your chemical.
- [6] The percentage in the ingredient must be completed for each component. The total of all components must always equal 100%.

An example of a completed formulation is shown below:

Chemical Abstract Service Number (CAS number) [1]	Chemical name [2]	Trade name [3]	Supplier(s) (include alternate suppliers) 1 supplier per line [4]	Other supporting information: Number of ethoxylates, average chain length...etc. [5]	% Composition [6]
68131-39-5	Alcohols, Ethoxylated	Surfactant 1	Company A	C12-15, Average 7EO	64
149458-07-1	Fatty acids, Me esters, sulfonated, sodium salts	Surfactant 2	Company B	C12-18	36