



Formulation Information page: What should I enter?

Ingredient number: used simply to identify the line.

The CAS number (Chemical Abstracts Service registry number) is a systematic numbering convention that uniquely identifies each chemical. There are multiple resources available on the web and elsewhere for finding specific CAS numbers (e.g., [http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp/?/](http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp?/)). 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.

The chemical name for each ingredient can be found on the MSDS for the ingredient.

The trade name is a unique descriptor of the ingredient supplied to the material formulator by its manufacturer.

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.

The percentage by weight must be listed for each ingredient. If the ingredient is a mixture, additional information may be requested from the ingredient supplier if the company completing the formulation cannot provide information concerning 100% of the composition. This combined value for each ingredient must always total 100%. While the target percentage is preferred, the actual production range may be acceptable. Enter ingredient ranges as X - Y when necessary.

Regulatory references: Please state appropriate 21 CFR section (e.g. 178.3570) for the following categories: 2A, 2B, 2C, 3D, 3E, 3H, 4A, 4B, 4C, 4D, 5A, 5B, E3, G1, G2, G3, G4, G6, H1, H3, HX-1, HX-3, HT1, HTX-1, Q1, Q2, Q3, Q4, Q5, Q6, R1 and RX-1. Acceptable regulatory references include:

- A. **21 CFR:** The United States Code of Federal Regulations, Title 21, Food and Drugs is a document containing specifications for food additives, which hold or contact food. The 21 CFR reference must include paragraph and subchapter references when appropriate. **By providing NSF with this reference you are certifying that the material meets the ingredient and testing requirements as specified in 21 CFR.** 21 CFR is available from a local U.S. Government printing office outlet or the Superintendent of Documents, U.S. Government, Printing Office, Washington, D.C. 20402. Phone: (202) 512-1800. Websites that allow access to these documents: www.access.gpo.gov or www.fda.gov.
- B. **Threshold of Regulation Exemption File Number:** Exemptions which have been issued under 21 CFR 170.39 Threshold of regulation for substances used in food contact articles. (<http://www.fda.gov/Food/FoodIngredientsPackaging/FoodContactSubstancesFCS/ucm093685.htm>).
- C. **Food Contact Notification Number:** Under section 409(h)(2)(C) of the Federal Food, Drug, and Cosmetic Act (FFDCA) (21 U.S.C. 348 (h)(2)(C)). (<http://www.accessdata.fda.gov/scripts/fcn/fcnNavigation.cfm?rpt=fcsListing>).
- D. FDA or Legal Letter of Opinion, Threshold of Regulation Calculations, Testing Data, GRAS affirmations or other data provided by the formulator that may allow its presence in contact with food.
- E. Current NSF Registration Number of ingredient.