Personal Care Products Council

Navigating PCPC's INCIpedia Database: wINCI, InfoBase and IRDB Essentials

November 13, 2025

Disclaimer & Antitrust

Group activities of competitors are inherently suspect under antitrust laws. Many agreements and activities between and amongst competitors, however, are both legal and beneficial to society and the industry. It is expected that all member representatives involved in PCPC activities, as well as PCPC consultants and meeting participants, will be sensitive to the legal issues involved in trade associations and take all measures necessary to comply with U.S. antitrust laws and similar foreign competition laws.

Discussions at meetings and another other documents or material that are distributed are confidential. Details of the meeting should not be published, disclosed to any third party, or used except in support of PCPC business. Naturally, member company representatives can share this information with appropriate personnel within their own companies; when distributing within your company, please remind the recipients of the confidential nature of the information.

Information provided by PCPC should not be relied upon as legal or compliance advice. Companies should consult with legal counsel to verify the accuracy and applicability of any information provided.

PCPC meeting guidelines prohibit the recording or use of AI notetakers during the meeting. For accessibility accommodations, please contact the legal department directly.

Personal Care Products Council

Today's Speakers

Joanne Nikitakis
Senior Director
Cosmetic Chemistry

Carol Eisenmann, Ph.D., DABT
Senior Toxicologist

Jonathan Hicks
Senior Director International
Trade & Regulatory Affairs

Personal Care Products Council

Program Schedule

I. INCIpedia Overview

II. wINCI

III. Infobase

IV. International Regulatory Database (IRDB)

V. UPDATE: Ingredient Frequency of Use

Personal Care Products Council

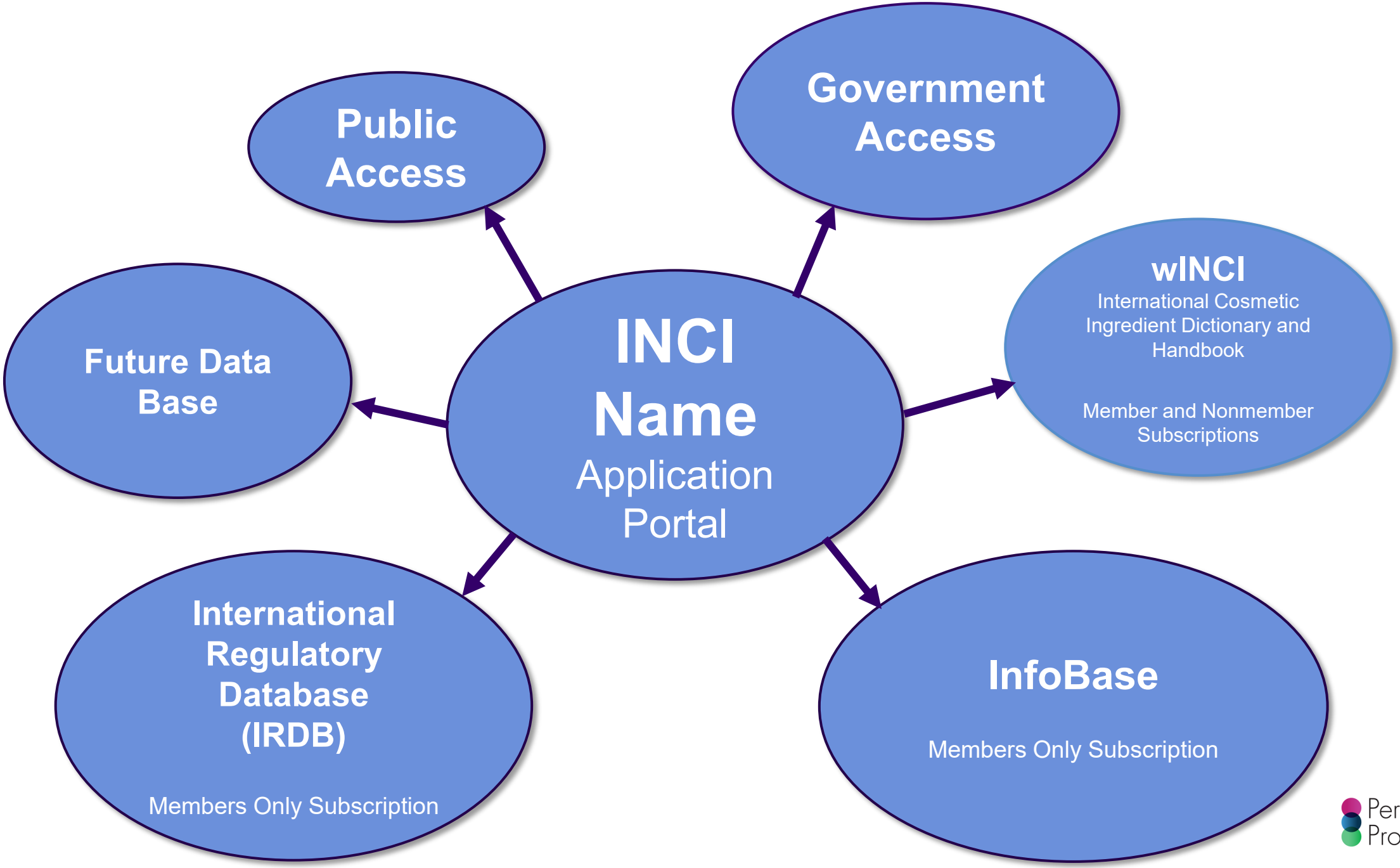
Personal Care Products Council

INCIpedia

What is INCI

- International Nomenclature Cosmetic Ingredient
- Systematic names internationally recognized to identify cosmetic ingredients
- Developed by the International Nomenclature Committee (INC)
- Published by the PCPC in the *International Cosmetic Ingredient Dictionary and Handbook*, available electronically as *wINCI*
- Necessary for accurate and uniform identification of cosmetic ingredients
- Essential to industry, medical community, regulators, consumers
- PCPC provides oversight for the INCI program.

Personal Care Products Council



Personal Care Products Council

Personal Care Products Council

Subscriptions Resources INCI Announcements Sign In

INCIpedia

By logging into INCIpedia, you are affirming that you have read and agree to the Terms of Service and the Privacy Policy.

Welcome to INCIpedia, our continuously updated web-based compendium of information related to INCI names and regulatory information. INCIpedia features the subscription-based databases described below. Click here to listen to a presentation explaining the robust features of wINCI, InfoBase and International Regulatory Database (IRDB).

Please "Sign In" for access. All users will be directed to create credentials when signing in for the first time. Once logged in, the menu bar will reflect the content relevant to your profile, e.g., government user, non-subscriber (public), wINCI subscriber, etc.

https://incipedia.personalcarecouncil.org

Personal Care Products Council

wINCI (Ingredient Dictionary)

wINCI is the online version of the *International Cosmetic Ingredient Dictionary & Handbook* previously published in print. Available to both PCPC members and non-members, this database is the definitive resource for INCI names, providing the most comprehensive listing of ingredients used in cosmetic and personal care products. More than 29,000 INCI names are detailed in wINCI, with related technical information, such as chemical synonyms and chemical structures; CAS and EC numbers; ingredient functions and reported product usage; regulatory and compendial references; commercial tradenames and related suppliers; and Chinese, Korean and Japanese translations.

InfoBase

InfoBase is PCPC's members-only premier resource providing access to major data collections on ingredients and technical reports, as well as current news. It features wINCI and cross-references its contents with many applicable regulations, such as EU Annexes, Canada Hot List and California's Proposition 65. In addition, InfoBase includes Cosmetic Ingredient Review (CIR) reports and status. Some of these lists include all chemicals on the list. Others include only the chemicals listed in wINCI. Introductory material for each list specifies the extent of coverage.

International Regulatory Database (IRDB)

IRDB includes access to global regulatory documents and ingredient restrictions for the cosmetics and personal care products industry. Nine regions, and more than 90 countries, 1000 documents, and 160,000 ingredient records are currently available. IRDB will continue to be updated on an ongoing basis as new information becomes available. This annual subscription is available exclusively to PCPC members.

INCI Application Portal

Applications for INCI names are managed through the INCI Application Portal.

Goverment Access

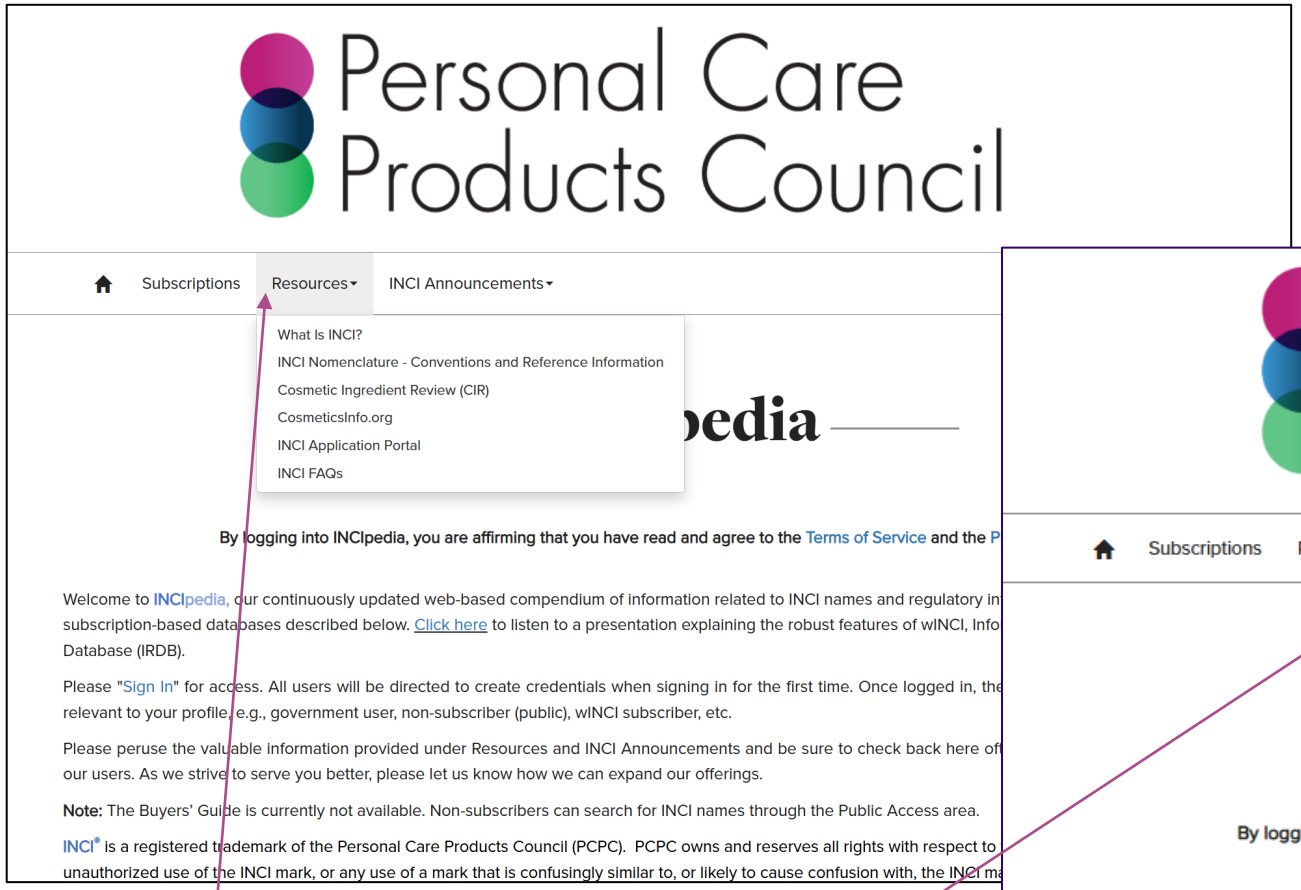
The Government access area provides a searchable field for information on the official INCI names. It features the following fields of information: INCI names, MonoIDs, and monographs containing definitions, structures, CAS and EC numbers (where available), sources, chemical classes, reported ingredient functions, product categories, and links to the safety evaluations conducted by the Cosmetic Ingredient Review, an independent program with a panel of world-class experts in medicine and science that is charged with evaluating all of the available data on the use of cosmetic ingredients and determining if that data demonstrate the safe use of an ingredient in cosmetic products.

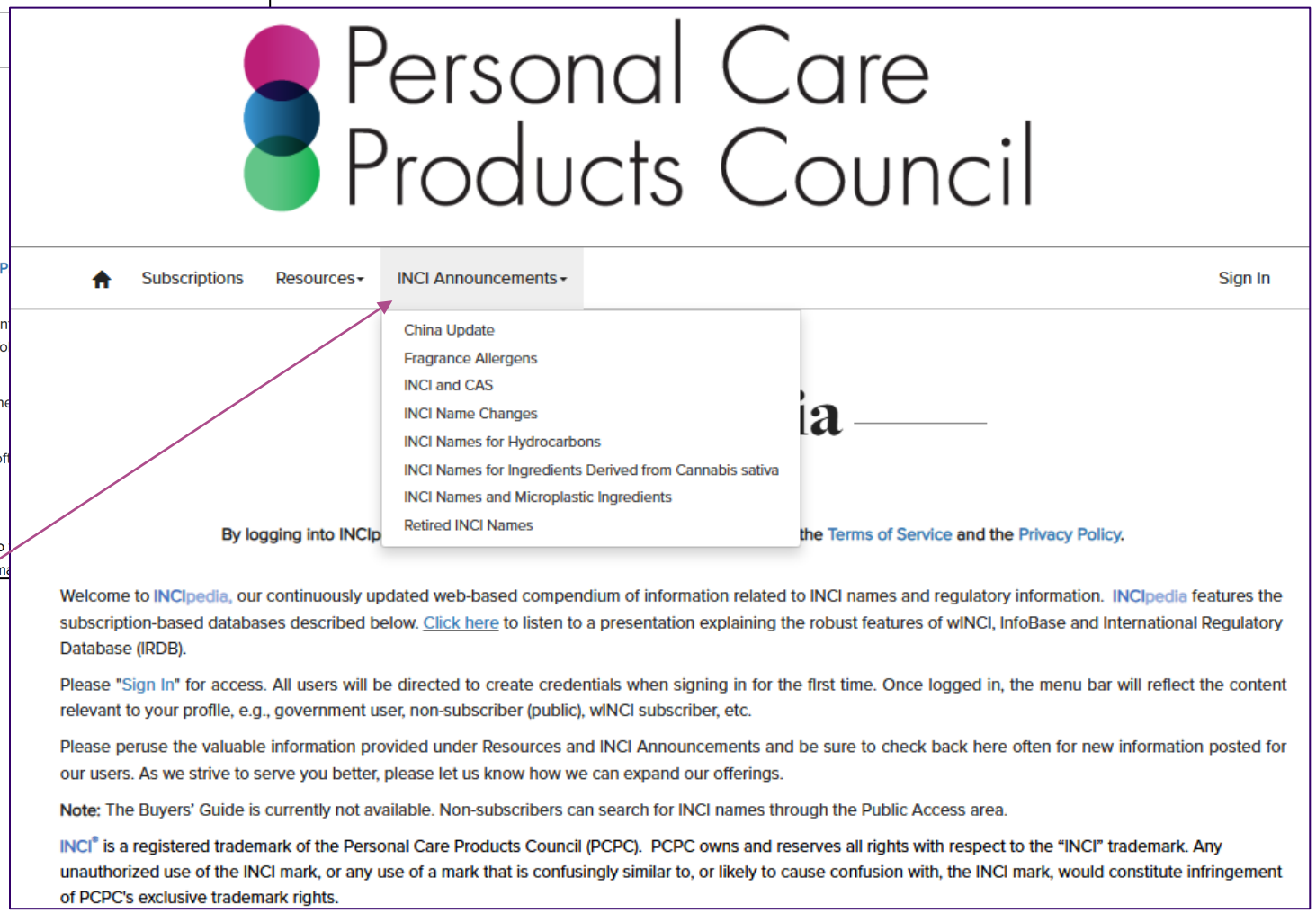
Public Access

This public access area features INCI names, technical synonyms and related CAS or EC numbers (where available), and links to the safety evaluations conducted by the Cosmetic Ingredient Review, an independent program with a panel of world-class experts in medicine and science that is charged with evaluating all of the available data on the use of cosmetic ingredients and determining if that data demonstrate the safe use of an ingredient in cosmetic products. Non-subscribers must create credentials and "Sign In" for access to the Public area.

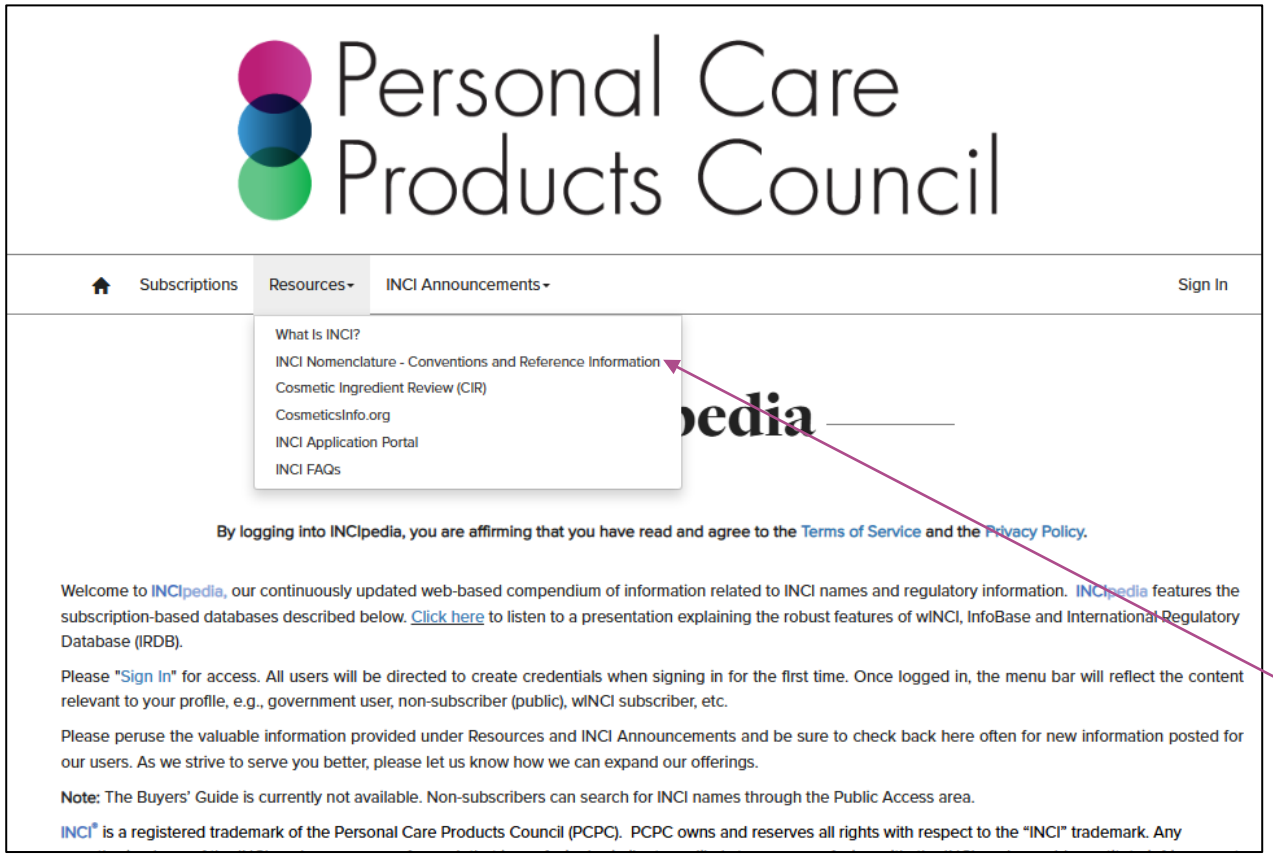
Contact: INCIpedia@personalcarecouncil.org

Personal Care Products Council





Announcements and important INCI-related information reside here.



The INCI Nomenclature – Conventions and Reference Information:

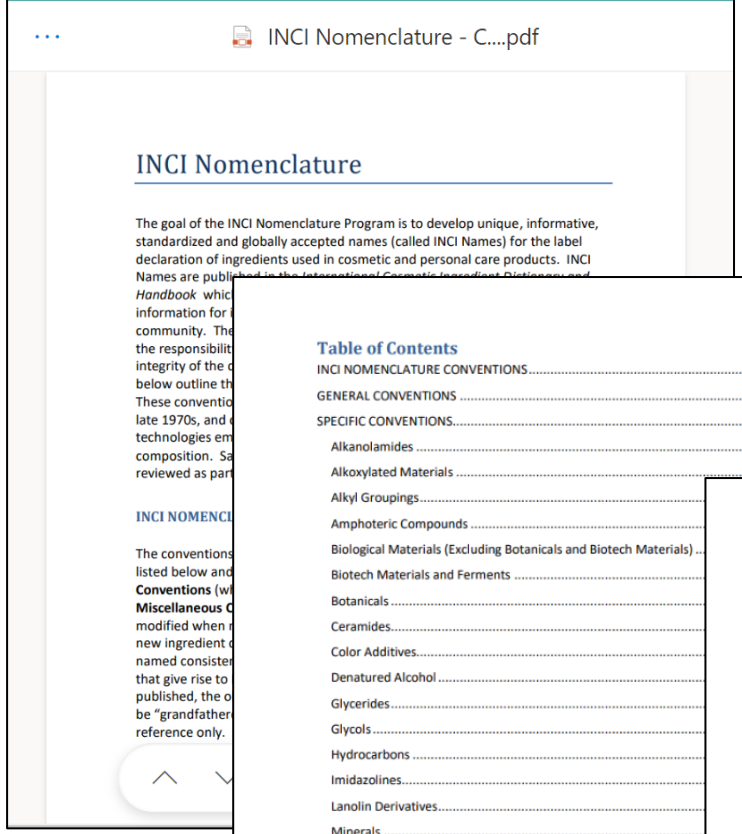
Contains the INCI naming principles and all the details previously published in the Introduction to the print copy of the *International Cosmetic Ingredient Dictionary and Handbook*. The document can be downloaded as a pdf. To search the contents online, use the search icon located at the bottom of the page rather than Ctrl F. To easily navigate the document by topic, the Table of Contents on the second page is hyperlinked.

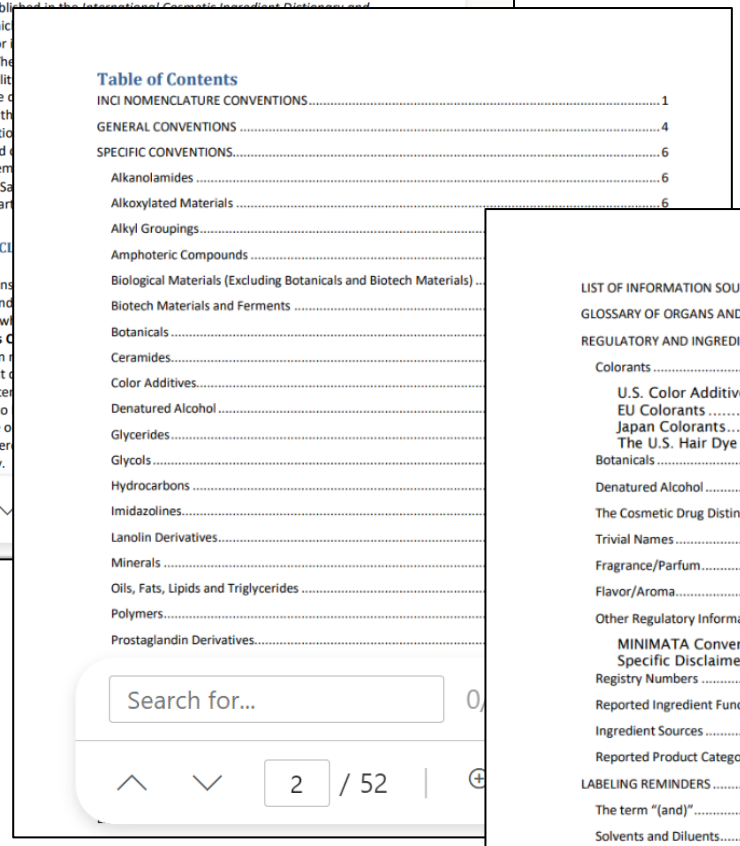
INCI Nomenclature

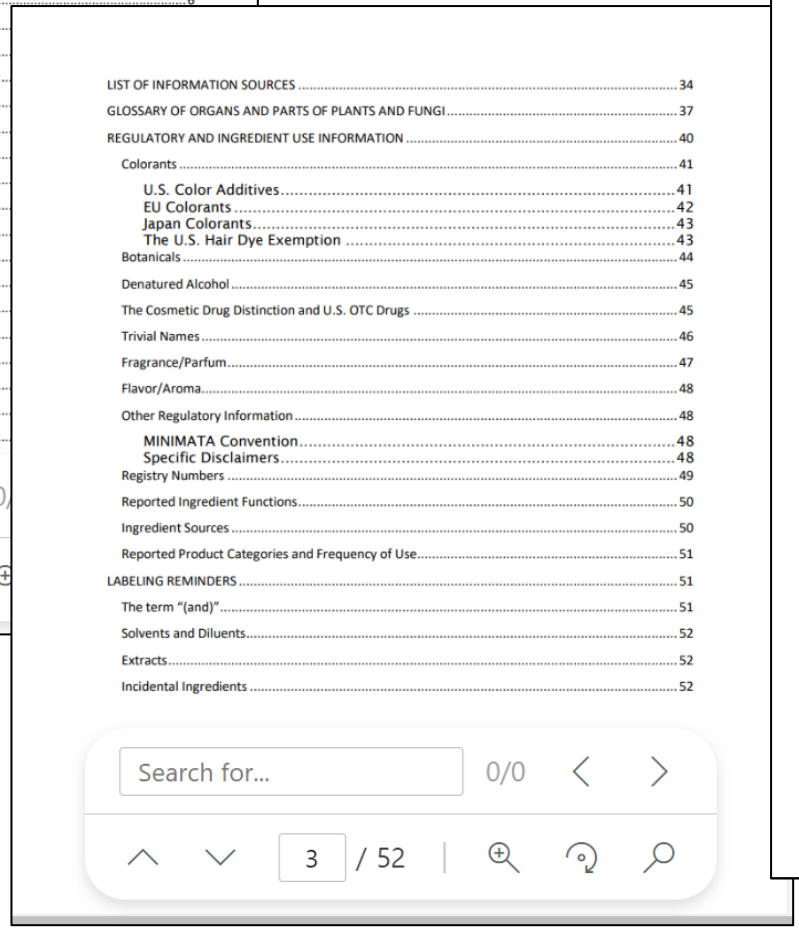
The goal of the INCI Nomenclature Program is to develop unique, informative, standardized and globally accepted names (called INCI Names) for the label declaration of ingredients used in cosmetic and personal care products. INCI Names are published in the *International Cosmetic Ingredient Dictionary and Handbook* which is the authoritative worldwide reference of ingredient information for industry, government, consumers, academia and the medical community. The International Nomenclature Committee (INC) is charged with the responsibility of creating the INCI nomenclature system, and assuring the integrity of the data incorporated into the *Dictionary*. The guiding princples below outline the approach followed by the INC in developing INCI Names. These conventions have evolved since the onset of ingredient labeling in the late 1970s, and continue to be revised as new ingredient innovation and technologies emerge. Central to the development of an INCI name is ingredient composition. Safety and suitability of the intended use of an ingredient is not reviewed as part of the INCI process.

INCI NOMENCLATURE CONVENTIONS

The conventions used to determine INCI names for cosmetic ingredients are listed below and are divided into three areas: **General Conventions, Specific Conventions** (which are grouped primarily by chemical class), and **Miscellaneous Conventions**. These conventions are continually reviewed and modified when necessary to reflect changes in the industry, technology, and new ingredient developments. Every effort is made to ensure ingredients are named consistent with these principles. As new conventions are developed that give rise to INCI names that are different from those previously published, the older nomenclature is sometimes retained and considered to be "grandfathered". Grandfathered names are generally published for reference only.







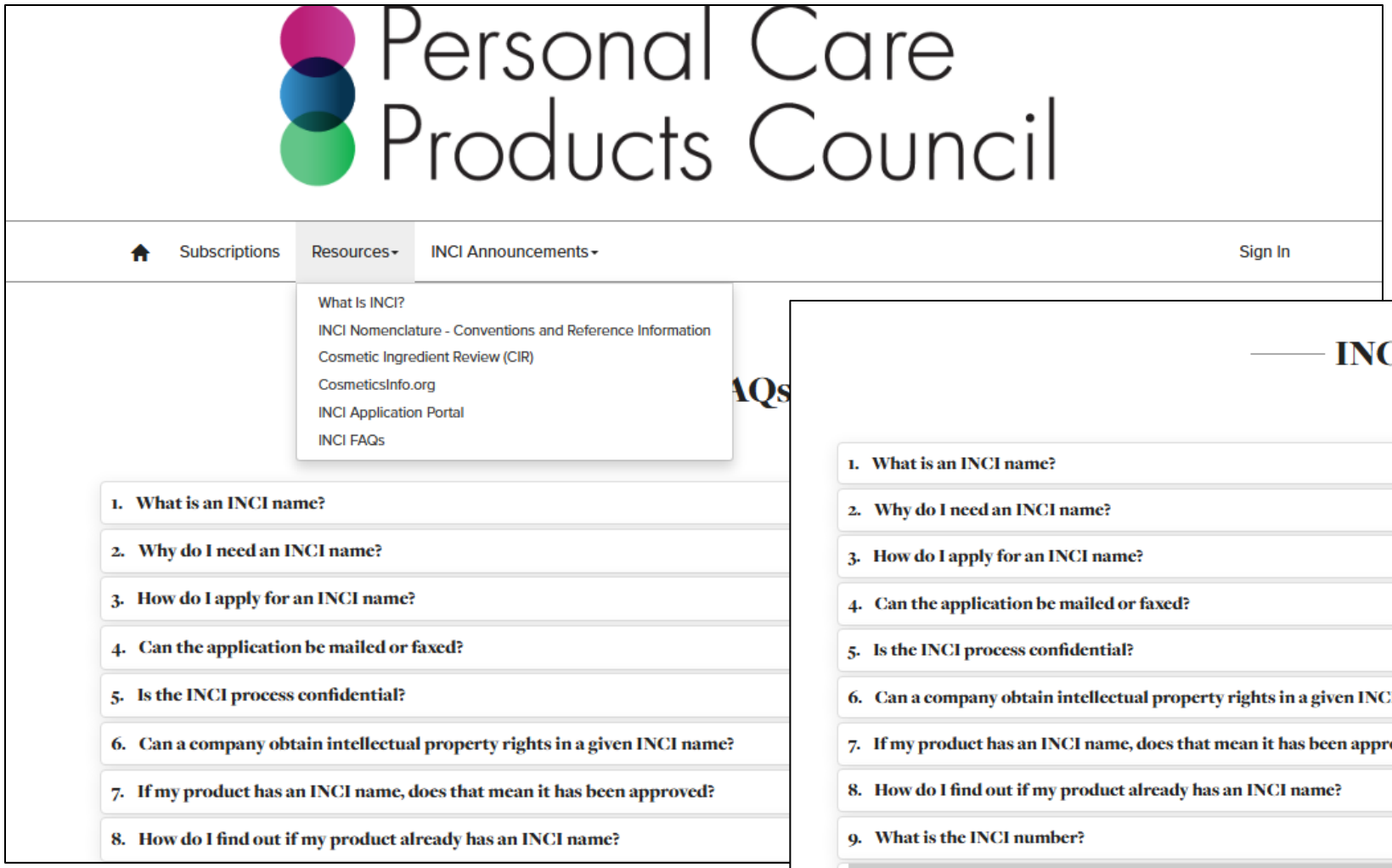
76. Glycosides are compounds which consist of a sugar (glycone) linked to a non-sugar or alcohol (aglycone) through a glycosidic bond formed through the condensation. The resulting compound is a named by the aglycone term first, followed by the sugar, where the "ose" suffix of the sugar name is replaced by "oside". When the glycone is glucose, the resulting compound is named as a glucoside, e.g., Decyl Glucoside. Glucosides is used when the sugar is a polymer of glucose. When the glycone is xylose, the compound is named as a xyloside, e.g., Octyldodecyl Xyloside, maltose would be a maltoside, etc.

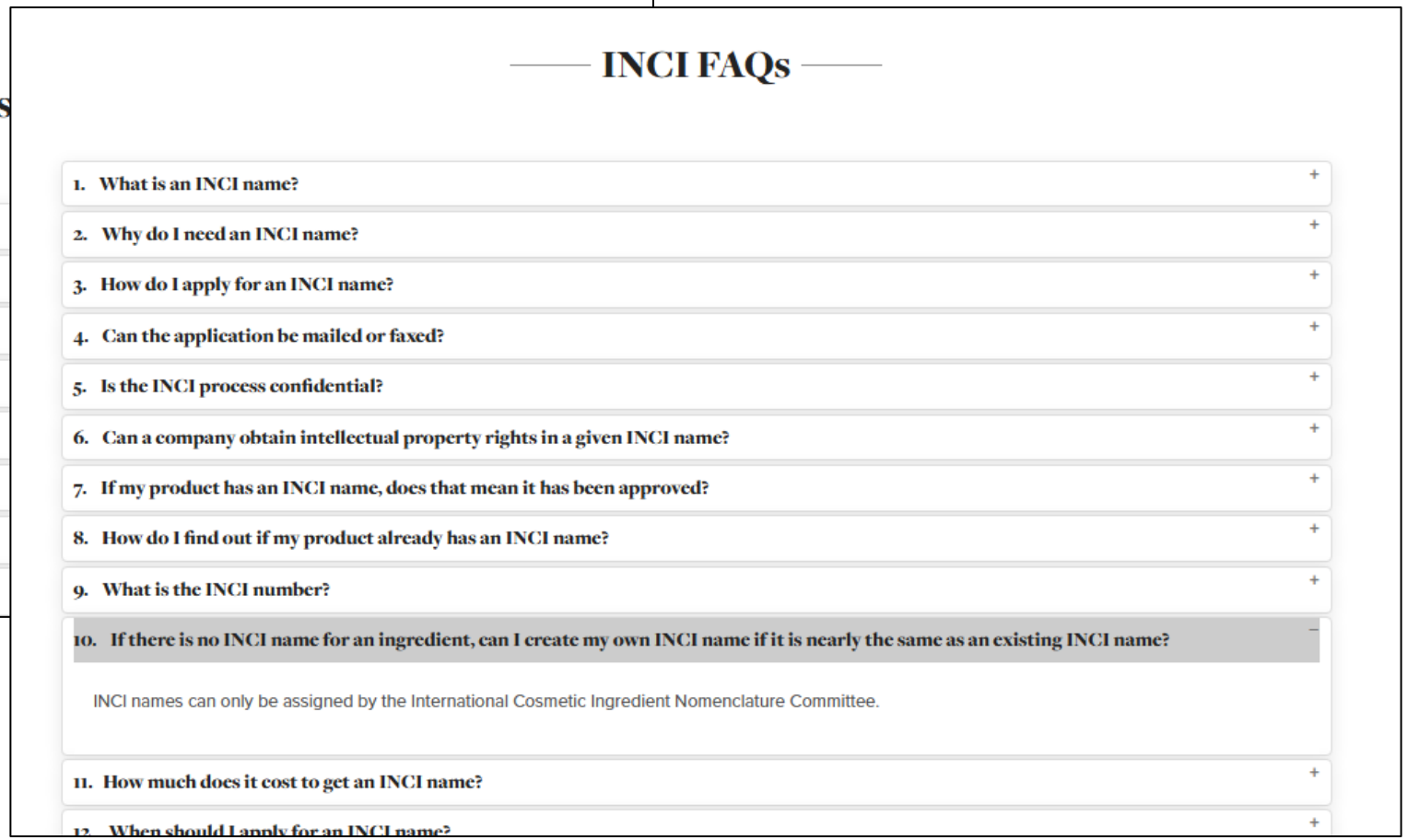
When the aglycone is a complex material, such as a flavonoid or a ceramide, the sugar term precedes the aglycone, Glucosyl Hesperidin, Glucosyl Naringen, Glucosyl Ceramide NP, etc. Early exceptions to this convention include the names Phloridzinyl Glucoside, Polydatin Glucoside.

When the glycone is comprised of carbohydrates derived from a natural source, the material is named as a "glycoside", preceded by the aglycone term, e.g., Cetearyl Wheat Bran Glycosides. Naturally occurring plant glycosides (e.g., saponins) may be named by their common or usual name, e.g., Ziyu Glycoside I.

LIST OF ACRONYMS

AEEA	Aminoethylethanolamine
AMP	Aminomethylpropanol
AMPD	Aminomethylpropanediol
AMPS	2-Acrylamido-2-Methylpropane Sulfonic Acid (Acryloyldimethyltaurate)
BHA	Butylated Hydroxyanisole
BHT	Butylated Hydroxytoluene
CD	Completely Denatured
CHDM	Cyclohexanedimethanol
CI	Colour Index
DATEM	Diacetyl Tartaric Acid Esters of Mono- and Diglycerides
DBM	Dibutylmaleate
D&C	Drug and Cosmetic
DEA	Diethanolamine
DEDM	Diethylol Dimethyl
DIBA	Dihydroxyisobutylamine
DIPA	Diisopropanolamine
DM	Dimethyl
DMAP	Dimethyl Aminopropyl
DMAPA	Dimethyl Aminopropylamine
DMDM	Dimethylol Dimethyl Dimethyl Hydantoin
DMHF	Formaldehyde Resin
DMPA	Dimethylolpropionic Acid
DMSO	Dimethyl Sulfoxide
DNA	Deoxyribonucleic Acid
ds	Double-stranded
DVB	Divinylbenzene


Personal Care
Products Council
Subscriptions
Resources
INCI Announcements
Sign In
What Is INCI?
INCI Nomenclature - Conventions and Reference Information
Cosmetic Ingredient Review (CIR)
CosmeticsInfo.org
INCI Application Portal
INCI FAQs
AQs
1. What is an INCI name?
2. Why do I need an INCI name?
3. How do I apply for an INCI name?
4. Can the application be mailed or faxed?
5. Is the INCI process confidential?
6. Can a company obtain intellectual property rights in a given INCI name?
7. If my product has an INCI name, does that mean it has been approved?
8. How do I find out if my product already has an INCI name?


INCI FAQs
1. What is an INCI name?
2. Why do I need an INCI name?
3. How do I apply for an INCI name?
4. Can the application be mailed or faxed?
5. Is the INCI process confidential?
6. Can a company obtain intellectual property rights in a given INCI name?
7. If my product has an INCI name, does that mean it has been approved?
8. How do I find out if my product already has an INCI name?
9. What is the INCI number?
10. If there is no INCI name for an ingredient, can I create my own INCI name if it is nearly the same as an existing INCI name?
INCI names can only be assigned by the International Cosmetic Ingredient Nomenclature Committee.
11. How much does it cost to get an INCI name?
12. When should I apply for an INCI name?

Personal Care Products Council

Subscriptions Resources INCI Announcements Sign In

wINCI (Ingredient Dictionary)

wINCI is the online version of the *International Cosmetic Ingredient Dictionary & Handbook* previously published in print. Available to both PCPC members and non-members, this database is the definitive resource for INCI names, providing the most comprehensive listing of ingredients used in cosmetic and personal care products. More than 29,000 INCI names are detailed in wINCI, with related technical information, such as chemical synonyms and chemical structures; CAS and EC numbers; ingredient functions and reported product usage; regulatory and compendial references; commercial tradenames and related suppliers; and Chinese, Korean and Japanese translations.

InfoBase

InfoBase is PCPC's members-only premier resource providing access to major data collections on ingredients and technical reports, as well as current news. It features wINCI and cross-references its contents with many applicable regulations, such as EU Annexes, Canada Hot List and California's Proposition 65. In addition, InfoBase includes Cosmetic Ingredient Review (CIR) reports and status. Some of these lists include all chemicals on the list. Others include only the chemicals listed in wINCI. Introductory material for each list specifies the extent of coverage.

International Regulatory Database (IRDB)

IRDB includes access to global regulatory documents and ingredient restrictions for the cosmetics and personal care products industry. Nine regions, and more than 90 countries, 1000 documents, and 160,000 ingredient records are currently available. IRDB will continue to be updated on an ongoing basis as new information becomes available. This annual subscription is available exclusively to PCPC members.

INCI Application Portal

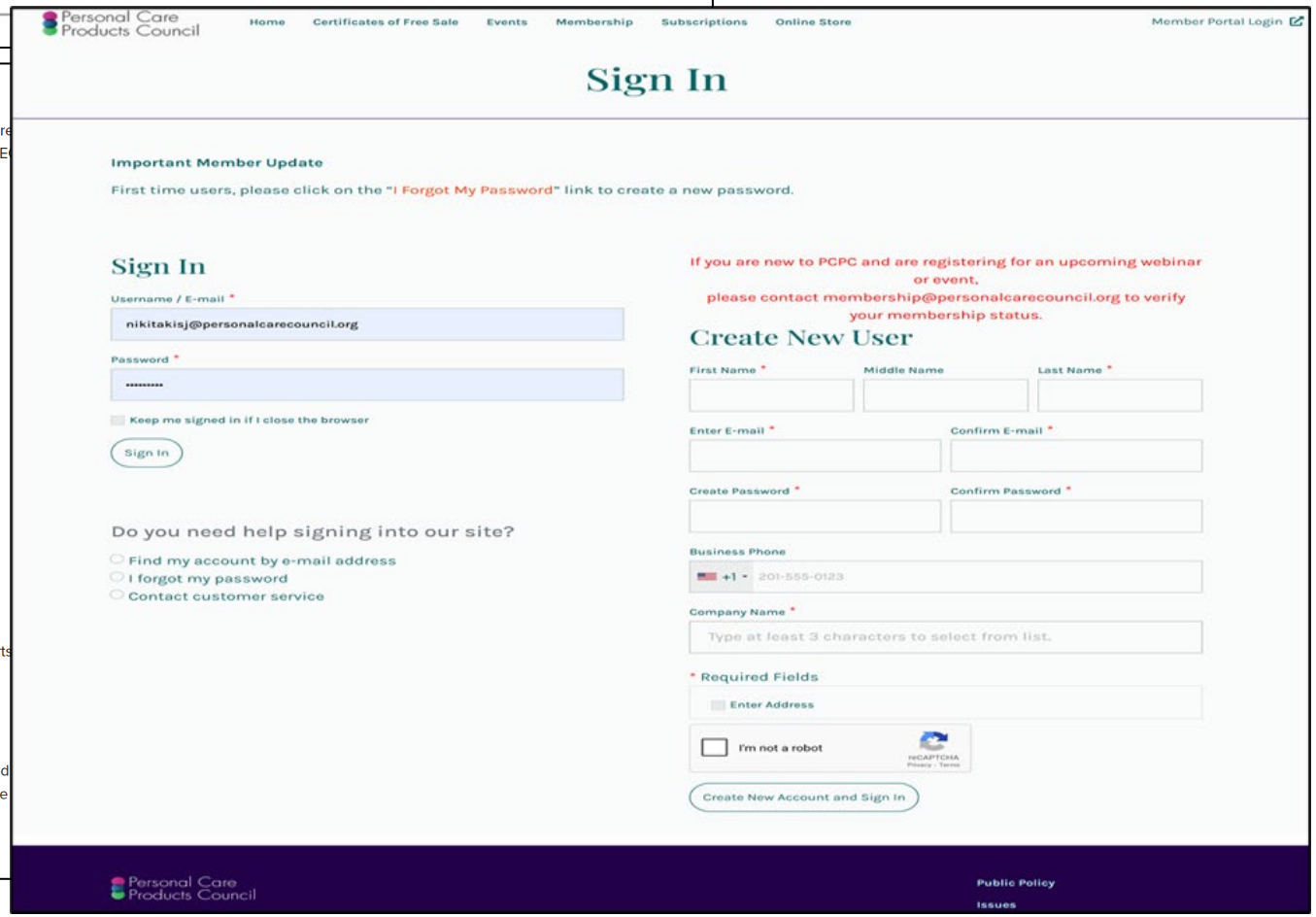
Applications for INCI names are managed through the INCI Application Portal.

Goverment Access

The Government access area provides a searchable field for information on the official INCI names. It features the following fields of information: INCI names, MonoIDs, and monographs containing definitions, structures, CAS and EC numbers (where available), sources, chemical classes, reported ingredient functions, product categories, and links to the safety evaluations conducted by the Cosmetic Ingredient Review, an independent program with a panel of world-class experts in medicine and science that is charged with evaluating all of the available data on the use of cosmetic ingredients and determining if that data demonstrate the safe use of an ingredient in cosmetic products.

Public Access

This public access area features INCI names, technical synonyms and related CAS or EC numbers (where available), and links to the safety evaluations conducted by the Cosmetic Ingredient Review, an independent program with a panel of world-class experts in medicine and science that is charged with evaluating all of the available data on the use of cosmetic ingredients and determining if that data demonstrate the safe use of an ingredient in cosmetic products. Non-subscribers must create credentials and "Sign In" for access to the Public area.



Personal Care Products Council

Subscriptions | Resources | INCI Announcements | wINCI | InfoBase | Public Access | PublicTest PCPC

Public Access

Public Ingredient Search

INCIpedia

By logging into INCIpedia, you are affirming that you have read and agree to the Terms of Service and the

Welcome to INCIpedia, our continuously updated web-based compendium of information related to INCI names. INCIpedia fea
databases described below, a special area for regulatory authorities, and a new special area for public users.

Please "Sign In" for access. All users will be directed to create credentials when signing in for the first time. Once logged in,
relevant to your profile, e.g., government user, non-subscriber (public), wINCI subscriber, etc.

Please peruse the valuable information provided under Resources and INCI Announcements and be sure to check back here
our users. As we strive to serve you better, please let us know how we can expand our offerings.

Note: The Buyers' Guide is currently not available. Non-subscribers can search for INCI names through the Public Access area.

wINCI (Ingredient Dictionary)

wINCI is the online version of the *International Cosmetic Ingredient Dictionary & Handbook* previously published in print. Availa
non-members, this database is the definitive resource for INCI names, providing the most comprehensive listing of ingredients
products. More than 29,000 INCI names are detailed in wINCI, with related technical information, such as chemical synonyms a
numbers; ingredient functions and reported product usage; regulatory and compendial references; commercial tradenames an
Korean and Japanese translations.

InfoBase

InfoBase is PCPC's members-only premier resource providing access to major data collections on ingredients and technical rep
features wINCI and cross-references its contents with many applicable regulations, such as EU Annexes, Canada Hot List and C
addition, InfoBase includes Cosmetic Ingredient Review (CIR) reports and status. Some of these lists include all chemicals on th
chemicals listed in wINCI. Introductory material for each list specifies the extent of coverage.

International Regulatory Database (IRDB)

IRDB includes access to global regulatory documents and ingredient restrictions for the cosmetics and personal care products
than 90 countries, 1000 documents, and 160,000 ingredient records are currently available. IRDB will continue to be updated o
information becomes available. This annual subscription is available exclusively to PCPC members.

INCI Application Portal

Applications for INCI names are managed through the INCI Application Portal.

INCI Ingredients (Public Access)

Ingredients can be searched by INCI name, technical name, CAS number or EC number. Partial word searches can be performed using a 3-character minimum.

betaine | Search

INCI Names that match your query: Print

Acetobacter/Bacillus/Lactobacillus/Saccharomyces/Streptococcus/(Apple/Blueberry/Citrus Unshiu/Cornus Officinalis/Cranberry/Euterpe Oleracea/Grape/Lycium/Mume/Plum/Raspberry/Rosa Canina/Schisandra/Strawberry) Fruit/(Allium Tuberosum/Cymbopogon Schoenanthus/Lettuce/Rosemary/Spinach/Thyme/Vaccinium Myrtillus) Leaf/Imperata Cylindrica Root/(Barley/Phaseolus Angularis/Phaseolus Radiatus/Rice/Soybean) Seed/Broccoli/Eriocephalus
Almondamidopropyl Betaine
Apricotamidopropyl Betaine
Avocadamidopropyl Betaine
Babassuamidopropyl Betaine
Behenamidopropyl Betaine
Behenyl Betaine
Betaine
Betaine Salicylate
Bis-(Methylene Lauramidopropyl Betaine) Hexamethylenediamide
Canolamidopropyl Betaine
Capric/Lauric/Myristic/Oleic Amidopropyl Betaine
Capryl/Capramidopropyl Betaine
Cetyl Betaine
Cocamidoethyl Betaine
Cocamidopropyl Betaine
Coco/Oleamidopropyl Betaine
Coco/Olivamidopropyl Betaine
Coco/Sunfloweramidopropyl Betaine

Personal Care Products Council

Monograph

Cocamidopropyl Betaine

Print

INCI Monograph ID: 555
Frequency of Use: Subscription Only

Published On: 12/04/1979

CAS Number:
147170-44-3 (generic)
61789-40-0
83138-08-3
97862-59-4 (generic)
70851-07-9

EC Number:
308-107-7
263-058-8

Definition: Subscription Only

CIR Reports

Technical Names:
1-Propanaminium, N-(Carboxymethyl)-N,N-Dimethyl-3-[(1-Oxococonut)Amino]-, Hydroxide, Inner Salt
CADG
Cocamido Betaine
Cocamidopropyl Betaine (HCPA)
Cocamidopropyl Dimethyl Glycine
Cocoyl Amide Propylbetaine
Cocoyl Amide Propyldimethyl Glycine
Cocoyl Amide Propyldimethyl Glycine Solution
N-(Carboxymethyl)-N,N-Dimethyl-3-[(1-Oxococonut)A
Quaternary Ammonium Compounds, (Carboxymeth

Trade Names:
Subscription Only

Trade Names Mixtures:
Subscription Only

Chinese Name: Subscription Only

Japanese Name: Subscription Only

Korean Name: Subscription Only

Reported Product Categories:
Subscription Only

CIR Ingredient Status Report

CIR Ingredient Status Report

The following table provides a quick view of the status of CIR reports that include this ingredient. Clicking on any individual INGREDIENT will take you to the monograph for that ingredient in the ingredients area of the On-Line INFOBASE . Clicking on the STATUS will provide you an explanation of the status of the ingredient and a copy of the relevant report available from CIR.

For additional information about the Cosmetic Ingredient Review, see the CIR Home Page

Ingredient	Status	Date/Reference
Cocamidopropyl Betaine	Published Report	IJT 31(Suppl. 1):77-111, 2012
Cocamidopropyl Betaine	Published Report	JACT 10(1):33-52, 1991

International Journal of Toxicology
31(Supplement 1) 77S-111S
© The Author(s) 2012
Reprints and permission:
sagepub.com/journalsPermissions.nav
DOI: 10.1177/1091581812447202
http://ijt.sagepub.com
SAGE

Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB)

Christina L. Burnett[1], Wilma F. Bergfeld[2], Donald V. Belsito[2], Ronald A. Hill[2], Curtis D. Klaassen[2], Daniel Liebler[2], James G. Marks Jr[2], Ronald C. Shank[2], Thomas J. Slaga[2], Paul W. Snyder[2], and F. Alan Andersen[3]

Abstract
Cocamidopropyl betaine (CAPB) and related amidopropyl betaines are zwitterions used mainly as surfactants in cosmetics. These cosmetic ingredients are similar in their chemistry, in particular with respect to the presence of 3,3-dimethylamino-propylamine (DMAPA) and fatty acid amidopropyl dimethylamine (amidoamine) impurities, which are known as sensitizers. The CIR Expert Panel concluded that because these ingredients present no other significant toxicity, when formulated to be nonsensitizing (which may be based on a quantitative risk assessment), these ingredients are safe for use as cosmetic ingredients in the practices of use and concentration of this safety assessment.

Keywords
cocamidopropyl betaine, CAPB, cosmetics, safety

Introduction

Cocamidopropyl betaine (CAPB) is a zwitterion used primarily as a surfactant in cosmetic products. A safety assessment for CAPB was published by the Cosmetic Ingredient Review (CIR) in 1991.[1] At that time, the CIR Expert Panel (the Panel) concluded that CAPB is safe for use in rinse off cosmetic products at the current levels of use, and the concentration of use for cosmetic products designed to remain on the skin for prolonged periods of time (leave-on products) should not exceed 3.0%. Because raw material CAPB is commonly supplied to product finishing houses as a 30% preformulation solution, a 3% solution would correspond to a 10% solution of a full-strength CAPB raw material solution. Frequently, these preformulation solutions are described as having an "activity" of the ingredient (eg, typical raw material CAPB has an activity of 30%). Accordingly, to prepare a 3% solution of a CAPB, from a CAPB preformulation solution with 30% activity, the preformulation solution would need to be diluted by a factor of 10.

Based on new published data that described sensitization in patients from use of rinse off products, new uses in aerosol products, and a substantial increase in the number of uses, the Panel reopened the final report on CAPB in 2007. The following report is a compilation of new data and summary data from the original safety assessment on CAPB and related amidopropyl betaines. Because of chemical similarities to CAPB, the available data may be extrapolated to all of the following related aminopropyl betaines, in a process termed read across:

- almondamidopropyl betaine,
- apricotamidopropyl betaine,
- avocadamidopropyl betaine,
- babassuamidopropyl betaine,
- behenamidopropyl betaine,
- canolamidopropyl betaine,
- capryl/capramidopropyl betaine,
- coco/oleamidopropyl betaine,
- coco/sunfloweramidopropyl betaine,
- cupuassuamidopropyl betaine,
- isostearamidopropyl betaine,
- lauramidopropyl betaine,
- meadowfoamamidopropyl betaine,
- milkamidopropyl betaine,

[1] Scientific Analyst/Writer, Cosmetic Ingredient Review
[2] The 2011 Cosmetic Ingredient Review Expert Panel member
[3] Director, Cosmetic Ingredient Review

Corresponding Author:
F. Alan Andersen, Cosmetic Ingredient Review, 1101 17th Street, NW, Suite 412, Washington, DC 20036, USA
Email: cirinfo@cir-safety.org

Personal Care Products Council

wINCI

wINCI

Personal Care Products Council

Subscriptions | Resources | INCI Announcements | wINCI | InfoBase | Government | IRDB

wINCI
Ingredient Search
Information Lists
Suppliers Directory

Ingredient Search

The ingredient search function is used to access INCI Names and monographs published in wINCI. Searches can be performed by INCI Name, Monol
name, technical name, CAS number, and EC number. Partial terms are searchable with a 3-character minimum. In addition, searches can be used to re
listings, such as (EU) for a listing of EU Trivial Names, (JPN) for a listing of Japan Trivial Names, (INN) for a listing of Int'l Nonproprietary Names, and (H
a listing of HCPA names. The parenthetical text "(REF)" appearing after an INCI name in the search results indicates that the INCI name relates to a pa
monograph that has been included in the INCI database as a reference for the definition of other INCI Names. Names described by (REF) might not re
marketed cosmetic ingredient.

For crucial technical and regulatory information about INCI names, along with the principles used in developing the INCI nomenclature system, reade
to consult *INCI Nomenclature – Conventions and Reference Information*.

Search term

Ingredient Search

The ingredient search function is used to access INCI Names and monographs published in wINCI. Searches can be performed by INCI Name, MonoID, trade name, technical name, CAS number, and EC number. Partial terms are searchable with a 3-character minimum. In addition, searches can be used to retrieve specific listings, such as (EU) for a listing of EU Trivial Names, (JPN) for a listing of Japan Trivial Names, (INN) for a listing of Int'l Nonproprietary Names, and (HCPA) for a listing of HCPA names. The parenthetical text "(REF)" appearing after an INCI name in the search results indicates that the INCI name relates to a partial monograph that has been included in the INCI database as a reference for the definition of other INCI Names. Names described by (REF) might not relate to a marketed cosmetic ingredient.

For crucial technical and regulatory information about INCI names, along with the principles used in developing the INCI nomenclature system, readers are directed to consult *INCI Nomenclature – Conventions and Reference Information*.

betaine | Search

INCI Names that match your query: Print

- Acetobacter/Bacillus/Lactobacillus/Saccharomyces/Streptococcus/(Apple/Blueberry/Citrus Unshiu/Cornus Officinalis/Cranberry/Euterpe Oleracea/Grape/Lycium/Mume/Plum/Raspberry/Rosa Canina/Schisandra/Strawberry) Fruit/(Allium Tuberosum/Cymbopogon Schoenanthus/Lettuce/Rosemary/Spinach/Thyme/Vaccinium Myrtillus) Leaf/Imperata Cylindrica Root/(Barley/Phaseolus Angularis/Phaseolus Radiatus/Rice/Soybean) Seed/Broccoli/Eriocephalus
- Almondamidopropyl Betaine
- Apricotamidopropyl Betaine
- Avocadamidopropyl Betaine
- Babassuamidopropyl Betaine
- Behenamidopropyl Betaine
- Behenyl Betaine
- Betaine
- Betaine Salicylate
- Bis-(Methylene Lauramidopropyl Betaine) Hexamethylenediamide
- Canolamidopropyl Betaine
- Capric/Lauric/Myristic/Oleic Amidopropyl Betaine
- Capryl/Capramidopropyl Betaine
- Cetyl Betaine
- Cocamidoethyl Betaine
- Cocamidopropyl Betaine
- Coco/Oleamidopropyl Betaine
- Coco/Olivamidopropyl Betaine
- Coco/Sunfloweramidopropyl Betaine

Personal Care Products Council

Note: Text in blue is hyperlinked.
★ Denotes new field.

Subscriptions | Resources | INCI Announcements | wINCI | InfoBase | Government | IRDB

Monograph

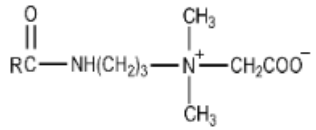
Cocamidopropyl Betaine

INCI Monograph ID: 555
Frequency of Use: 44711
(PCPC analysis of FDA data, data update: March, 2025)

★ **Published On:** 12/04/1979

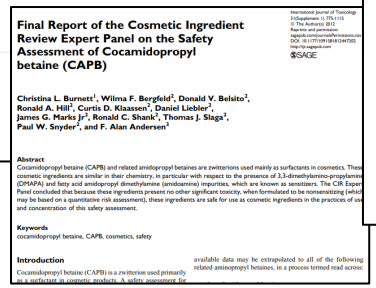
CAS Number:	EC Number:
147170-44-3 (generic)	308-107-7
61789-40-0	263-058-8
83138-08-3	
97862-59-4 (generic)	
70851-07-9	274-923-4

Definition: Cocamidopropyl Betaine is the zwitterion (inner salt) that conforms generally to the formula:



where RCO- represents the acyl groups derived from coconut oil.

Safety/Regulatory Information
CIR Reports


Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB)

Christina L. Burnett[1], Wilma F. Bergfeld[2], Donald V. Belsito[2], Ronald A. Hill[2], Curtis D. Klaassen[2], Daniel Liebler[2], James G. Marks Jr[2], Ronald C. Shank[2], Thomas J. Slaga[2], Paul W. Snyder[2], and F. Alan Andersen[2]

Abstract
Cocamidopropyl betaine (CAPB) and related amidopropyl betaines are zwitterions used mainly as surfactants in cosmetics. These cosmetic ingredients are similar in their chemistry, in particular with respect to the presence of 3,3-dimethylamino-propylamine (DMAPA) and fatty acid amidopropyl dimethylamine (amidoamine) impurities, which are known as sensitizers. The CIR Expert Panel concluded that because these ingredients present no other significant toxicity, when formulated to be nonsensitizing (which may be based on a quantitative risk assessment), these ingredients are safe for use as cosmetic ingredients in the practices of use and concentration of this safety assessment.

Keywords
cocamidopropyl betaine, CAPB, cosmetics, safety

Introduction
Cocamidopropyl betaine (CAPB) is a zwitterion used primarily as a surfactant in cosmetic products. A safety assessment for

available data may be extrapolated to all of the following related aminopropyl betaines, in a process termed read across:

Information Sources:
CIR: [SQ] IJT-31(SUPPL. 1)2012
CIR: [SQ] JACT-10(1)1991
CTFA S
ECG
ECHA-R
IECIC
JCIC
JCLS
JSQI
TSCA
UNII 5OCF3O11KX

Chemical Classes:
Betaines (Including "sultaine

Reported Functions:
Antistatic Agents
Hair Conditioning Agents
Skin-Conditioning Agents - M
Surfactants - Cleansing Age
Surfactants - Foam Boosters
Viscosity Increasing Agents

Ingredient Sources:
Plant
Synthetic

Technical Names:
1-Propanaminium, N-(Carboxymethyl)-N,N-Dimethyl-3-[(1-Oxococonut)Amino]-, Hydroxide, Inner Salt
CADG
Cocamido Betaine
Cocamidopropyl Betaine (HCPA)
Cocamidopropyl Dimethyl Glycine
Cocoyl Amide Propylbetaine
Cocoyl Amide Propyldimethyl Glycine
Cocoyl Amide Propyldimethyl Glycine Solution
N-(Carboxymethyl)-N,N-Dimethyl-3-[(1-Oxococonut)Amino]-1-Propanaminium Hydroxide, Inner Salt
Quaternary Ammonium Compounds, (Carboxymethyl)(3-Cocoamidopropyl)Dimethyl, Hydroxides, Inner Salts

★ **Former INCI Name:** Cocamido Betaine
Date of Change: 06/01/1973

Trade Names: Click here to view full list of Trade Names

Trade Names Mixtures: Click here to view full list of Trade Name Mixtures

Chinese Name: 椰油酰胺丙基甜菜碱 **Japanese Name:** ココアミドプロピルベタイン **Korean Name:** 코카미도프로필베타인

Reported Product Categories:

Baby Products, Misc.	Baby Shampoos
Bath Capsules	Bath Oils, Tablets, and Salts
Bath Preparations, Misc.	Bath Soaps and Detergents
Body and Hand Preparations (Excluding Shaving Preparations)	Bubble Baths
Cleansing Products (Cold Creams, Cleansing Lotions, Liquids and Pads)	Colognes and Toilet Waters
Dentifrices (Aerosol, Liquid, Pastes and Powders)	Douches
Eye Makeup Preparations, Misc.	Eye Makeup Removers
Face and Neck Preparations (Excluding Shaving Preparations)	Foot Powders and Sprays

Personal Care Products Council

Chemical Classes

Chemical Classes is a listing of cosmetic and personal care ingredients classified on the basis of their chemical functional group(s). Many ingredients can be multifunctional and therefore may be listed in more than one class.

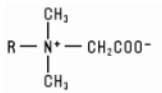
Some classes in this section exhibit no chemical homogeneity or even similarity. For example, the ingredients classified as Essential Oils and Biological Products are inherently mixtures, not pure chemical entities. Color additives are listed as a class, although they are clearly multifunctional and do not represent a structurally homogeneous group of chemicals. Non-chemical groups are identified as classes in order to create useful and inclusive ingredient listings. To view or select a Chemical Class, click the arrow at the right of the selection box below.

Please refresh the browser between function selections to retrieve an accurate listing of ingredients.
Date Updated: January 03, 2022

Betaines (Including "sultaines")

Betaines (Including "sultaines")

The Betaine group of cosmetic raw materials includes the quaternized alkyl or substituted alkyl derivatives of N,N-dimethyl glycine. The Betaines have the structure:



in which the nitrogen atom always carries a positive charge regardless of pH. At pHs normally encountered in cosmetics this charge is counterbalanced by a negative charge on the carboxyl group (zwitterion). Betaines are not truly amphoteric compounds because they do not exhibit exclusively anionic characteristics even at high pH. R represents an alkyl group, e.g., $C_{14}H_{29}$ in Myristyl Betaine, or an amide-interrupted alkyl group, e.g., $C_{17}H_{35}CONH(CH_2)_3$, in Stearamidopropyl Betaine. Related amphoteric compounds are derived from amino propane sulfonic acids (see *Sulfonic Acids*), e.g., Lauryl Sultaine.

The Betaines are zwitterionic, surface-active compounds which are employed as emulsifiers, detergents, foam boosters, aqueous viscosity increasing agents, and skin and hair conditioners.

! # A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ALL

INCI Name:
Abyssinian/Meadowfoamamidopropyl Hydroxysultaine
Almondamidopropyl Betaine
Apricotamidopropyl Betaine
Avocadamidopropyl Betaine
Babassuamidopropyl Betaine
Babassuamidopropyl Hydroxysultaine

Reported Functions

Reported Functions is a listing of cosmetic ingredients classified on the basis of the function the ingredient performs in a finished product as reported by the ingredient supplier. Many ingredients have multiple functions in formulation and therefore are included in several function groups. The use of an ingredient for a function other than those included here may be completely acceptable. Inclusion of an ingredient in a particular function category does not imply that the ingredient is "approved," "certified," or "endorsed" for this use by the Personal Care Products Council or any other organization or governmental body in the U.S. or any other country. Readers should be aware that some of the functions are regulated as drug functions in the U.S. and other jurisdictions. For more information about the cosmetic/drug distinction, please see *INCI Nomenclature: Conventions and Reference Information*.

Please refresh the browser between function selections to retrieve an accurate listing of ingredients.
Date Updated: January 03, 2022

Surfactants - Cleansing Agents

Surfactants - Cleansing Agents

Surfactants - Cleansing Agents, are used for skin and hair-cleaning purposes and as emulsifiers in cosmetics. In this function, surfactants wet body surfaces, emulsify or solubilize oils, and suspend soil. It is characteristic (and expected by some consumers) that such agents should contribute foaming and lathering properties to cleansing products and bubble baths. The listing includes not only soaps but also fatty acids which yield soaps upon reaction with an alkali.

Surfactants - Cleansing Agents are routinely used as emulsifiers.

! # A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ALL

INCI Name:
2-Hydroxystearic Acid
Abyssinian/Meadowfoamamidopropyl Hydroxysultaine
Almondamidopropyl Betaine
Almondamidopropylamine Oxide

Cocamidopropyl Betaine

Trade Names: Click here to view full list of Trade Names

Amido Betaine C (Zohar DALIA)
Amido Betaine C-45 (Zohar DALIA)
Amonyl 380 BA (Seppic SA)
Amonyl 440 NI (Seppic SA)
Amphosol CA (Stepan Company)
Amphosol CG (Stepan Company)
Amphosol HCA (Stepan Company)
Amphosol HCG (Stepan Company)
Amphotensid B 4 SB (Zschimmer & Schwarz GmbH & Co KG)
Amphotensid B4/C (Zschimmer & Schwarz Italiana S.p.a.)
Amphotensid B5 (Zschimmer & Schwarz GmbH & Co KG)
Caltaine C-35 (Pilot Chemical Company)
Chembetaine C Surfactant (Lubrizol Advanced Materials, Inc.)
Chembetaine CAD Surfactant (Lubrizol Advanced Materials, Inc.)
Chembetaine CGF Surfactant (Lubrizol Advanced Materials, Inc.)
ColaTeric COAB (Colonial Chemical Inc)
Crodateric CAB 30 (Croda, Inc.)

Trade Names Mixtures: Click here to view full list of Trade Name Mixtures

Abil ME 45 (Evonik Nutrition & Care GmbH)
Amidex C-CM Surfactant (Lubrizol Advanced Materials, In
Antil HS 60 (Evonik Nutrition & Care GmbH)
BotaniPearl GDCB (Botanigenics, Inc)
CalBlend Clear (Pilot Chemical Comp
CalBlend Pearl (Pilot Chemical Compa
Custoblend AEG (Custom Ingredients
Custoblend AEM (Custom Ingredients
Custoblend ALO (Custom Ingredients
Custoblend BAC (Custom Ingredients, Inc.)
Custoblend BAT (Custom Ingredients, Inc.)
Custoblend BSC-50 (Custom Ingredients, Inc.)
Custoblend DTS (Custom Ingredients, Inc.)
Custoblend UB (Custom Ingredients, Inc.)
Custopearl 1000 (Custom Ingredients, Inc.)
Danox BF-22
DOWSIL CE-2060 Emulsion (Dow Chemical Company)

BotaniPearl GDCB is composed of the following ingredients:

Water
Glycol Distearate
Cocamidopropyl Betaine
Laureth-4

Botanigenics, Inc

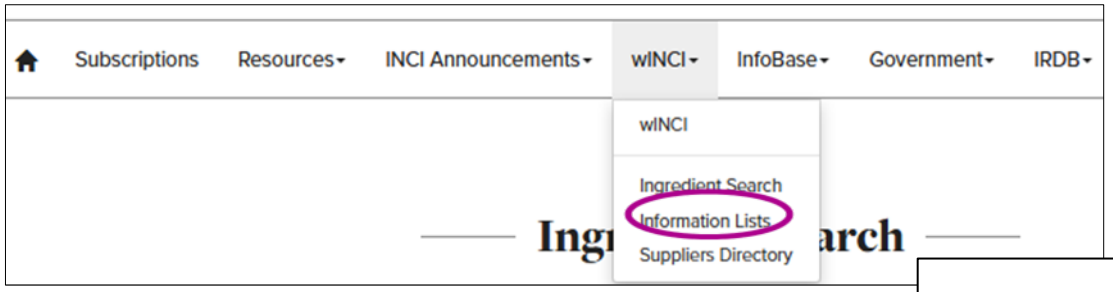
Botanigenics, Inc
21707 Nordhoff St.
Chatsworth 91311
United States
Phone:
Website:

Trade Names

Botanessential AD-24
Botanessential ASA 40/60
Botanessential Olivane
Botanessential Olivene
Botanessential SAP-50
Botanessential WSA 35/60
Botanester AB
Botanester EHP
Botanester GC
Botanester IPM

Note: Text in blue is hyperlinked.

Personal Care Products Council



Ingredient Information Lists

The Information List area provides a cross-reference of INCI names with various fields of information. A brief description of e
display all the items within a list, click the "all" icon located at the end of the alphabet.

To understand conventions used in assigning INCI names to the ingredients, and abbreviations presented in the Ingredient
Nomenclature - Conventions and Reference Information.

- "What's New"
- Accepted Botanical Scientific Names
- Canada Cosmetic Ingredient Hotlist
- Chemical Classes
- CIR Reports
- Colorant Cross Index
- EU Annexes
- Former Names
- OTC - FDA Monograph Ingredients
- Reported Functions
- Reported Product Categories

Reported Functions

Reported Functions is a listing of cosmetic ingredients classified on the basis of the function the ingredient performs in a finished product as reported by the ingredient supplier. Many ingredients have multiple functions in formulation and therefore are included in several function groups. The use of an ingredient for a function other than those included here may be completely acceptable. Inclusion of an ingredient in a particular function category does not imply that the ingredient is "approved," "certified," or "endorsed" for this use by the Personal Care Products Council or any other organization or governmental body in the U.S. or any other country. Readers should be aware that some of the functions are regulated as drug functions in the U.S. and other jurisdictions. For more information about the cosmetic/drug distinction, please see *INCI Nomenclature: Conventions and Reference Information.*

Please refresh the browser between function selections to retrieve an accurate listing of ingredients.
Date Updated: January 03, 2022

Binders

Binders

Binders are ingredients added to compounded dry powder mixtures of solids and the like to provide adhesive qualities during and after compression to make tablets or cakes. Many lipids, surfactants, and polymers can be used for the indicated purpose. The following list is limited essentially to ingredients frequently used as binders.

! # A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ALL

INCI Name:
1,4-Butanediol/Succinic Acid/Adipic Acid/HDI Copolymer
Abalone Shell Powder
Acacia Senegal Gum
Acer Rubrum Wood Extract
Acrylamide/Ammonium Acrylate Copolymer
Acrylamide/Sodium Acrylate Copolymer

Personal Care Products Council

Subscriptions | Resources | INCI Announcements | wINCI | InfoBase | Government | IRDB

wINCI

Ingredient Search
Information Lists
Suppliers Directory

Ingr arch

Chemical Classes

Chemical Classes is a listing of cosmetic and personal care ingredients classified on the basis of their c
multifunctional and therefore may be listed in more than one class.

Some classes in this section exhibit no chemical homogeneity or even similarity. For example, the ingre
inherently mixtures, not pure chemical entities. Color additives are listed as a class, although they are c
homogeneous group of chemicals. Non-chemical groups are identified as classes in order to create us
Class, click the arrow at the right of the selection box below.

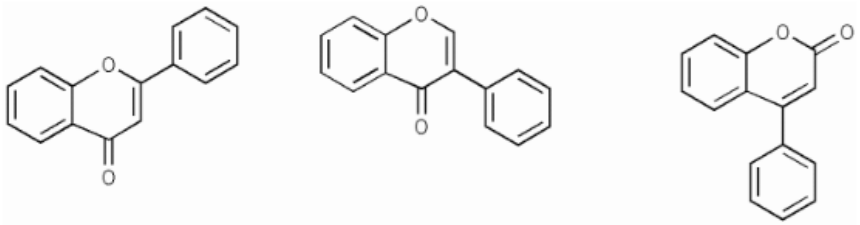
Date Updated: January 03, 2022

- Color Additives - Hair
- Color Additives - Miscellaneous
- Color Additives Lakes - Batch Certified by the U.S. Food and Drug Administration
- Complex Lipids
- Elements
- Essential Oils and Waters
- Esters (Includes only esters not otherwise classified as alkoxylated carboxylic acids, glyceryl esters, isethionates,
- Ethers (Excluding alkoxylated derivatives)
- Fats and Oils
- Fatty Acids
- Fatty Alcohols
- Flavonoids
- Fungi, Bacteria and Derivatives
- Glyceryl Esters and Derivatives (Excluding fats and oils)
- Gums, Hydrophilic Colloids and Derivatives (Including salts)
- Halogen Compounds
- Heterocyclic Compounds (Including salts; excluding polymers and imidazolines)
- Hydrocarbons
- Imidazoline Compounds
- Inorganic Acids

16
Washington, D.C. 20036

Flavonoids

Flavonoids, including isoflavonoids and neoflavonoids, and their derivatives are polyphenolic, low molecular weight compounds based on the following structures:



2-phenylchromene-4-one | 3-phenylchromene-4-one | 4-phenylcoumarin

Derivatives include compounds produced by the reduction of the 2(3) carbon-carbon double bond, (e.g., dimethylhydroxy dihydroflavone), reduction of the keto group, and hydroxylation at various positions (e.g., quercitol, kaempferol). Flavonoids are widely distributed in plants, often as pigments, and are most commonly known for their antioxidant activity. In the diet, flavonoids are found in many fruits, vegetables, teas, wines, nuts, seeds, and roots. As cosmetic ingredients, flavonoids find use as antioxidants, and also skin conditioning agents.

! # A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ALL

INCI Name:
4'-Methoxychalcone
8-Hydroxydaidzein
Acacia Catechu Catechins
Acetyl Myricetin
Alloimperatorin
Alpha-Gastrodin
Amentoflavone
Anthocyanins

Personal Care Products Council

Identifies suppliers, trade names and corresponding INCI Names *assigned through the INCI application process*.

Suppliers that match your query:

- A & E Connock (Perfumery & Cosmetics)
- A Better Communication Co. Ltd.
- A Farming Association Halasan Younggul
- A&PEP INC.
- A. J International
- A. Pharm Kindai Co., Ltd.
- A.C.M. Co., Ltd.
- A.L.A. Corporation
- A/F Protein Inc.
- AA&T Co., Ltd.
- AarhusKarlshamn Sweden AB
- AB Specialty Silicones
- Abbott Laboratories
- ABC Nanotech
- ABG LAB LLC
- Abich SRL
- Abies Labs d.o.o.
- Abifor AG
- Abio Materials
- ABio, Inc.
- Abitec Corporation
- ABResearch SRL

Supplier Detail

BASF Corporation

BASF Corporation
100 Park Avenue
Florham Park 07932
United States
Phone: 908-343-4689
Website: https://www.basf.com

Trade Names

- Arlypon F
- Arlypon F-T
- Attasorb RVM Sorbent
- Avanel S-150 CGN
- Beta Ionone
- Bisabolol nat.
- Bisabolol rac.
- Bronidox 1160
- Calcium D-pantothenate

Mixtures

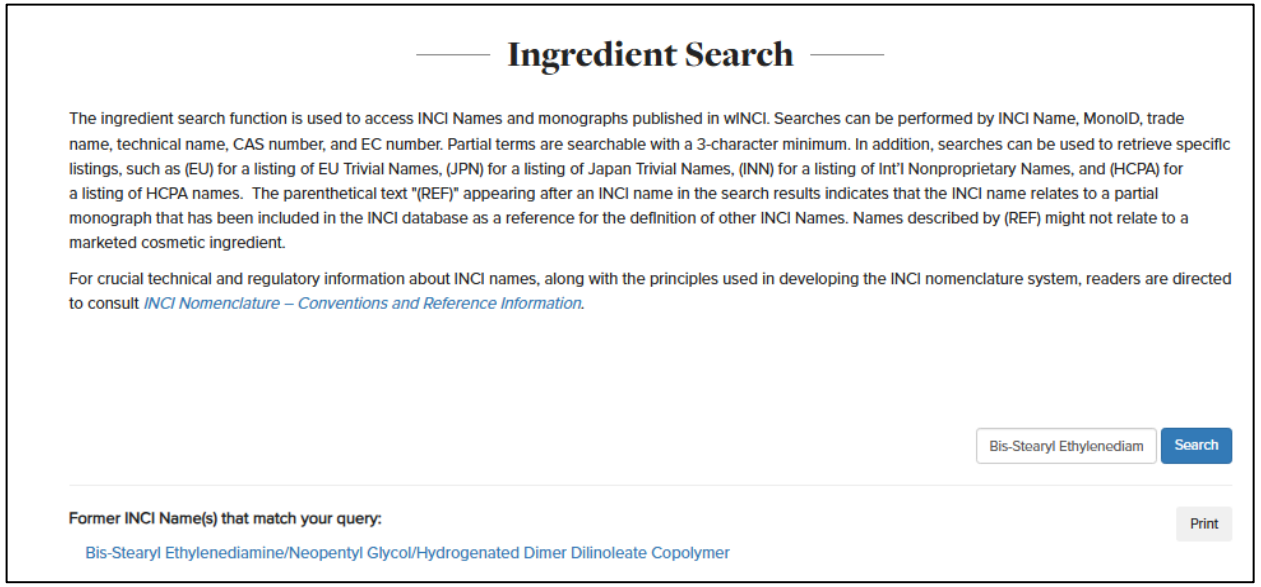
- Advanced Moisture Complex g
- AM100
- AM200
- AM300
- AM400
- AM500
- AM600
- AM700
- AM900
- Ameriflor™ Calm
- Anti-Irritant Liposomes
- Arlypon TT
- Base Blend Powder (Lotion Base)
- Biju BNT
- BIJU BXD
- Biowhite
- Bronidox L
- Cegesoft VP
- Cetiol LDO
- Cetiol PGL

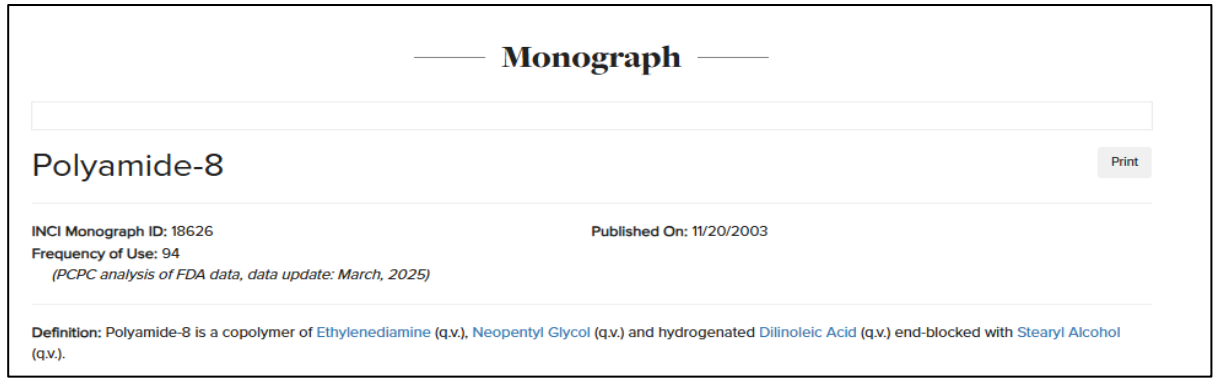
Mixture Detail

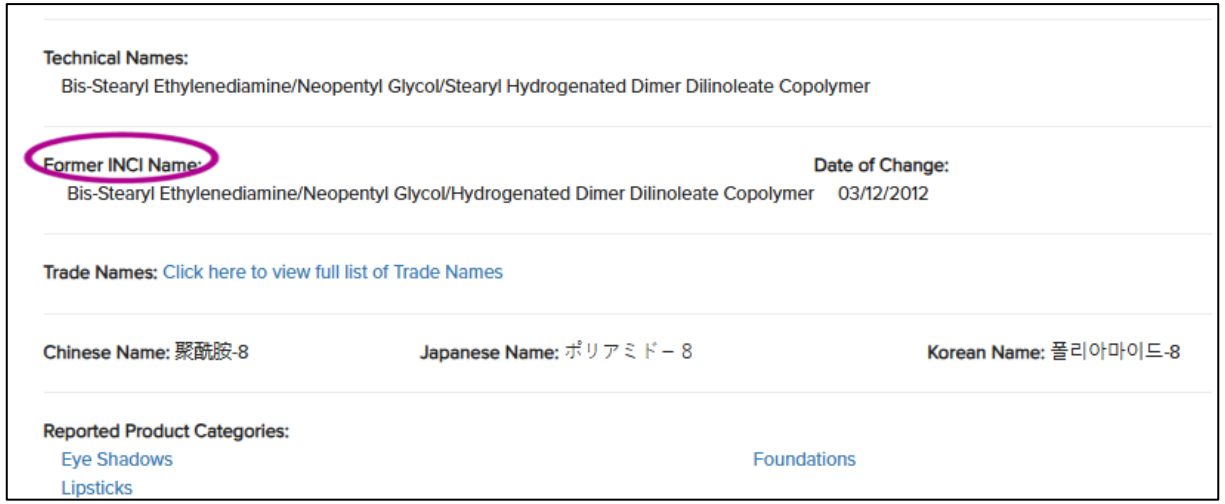
Arlypon TT is composed of the following ingredients:

- PEG/PPG-120/10 Trimethylolpropane Trioleate
- Laureth-2

New wINCI Feature – Ingredient History







Personal Care Products Council

New wINCI Feature – Ingredient History

Former INCI Name(s) that match your query:

Search on “lemon”

- Citrus limon (Lemon) Juice Powder
- Citrus Medica Limonum (Lem
- Citrus Medica Limonum (Lem
- Citrus Medica Limonum (Lem
- Citrus Medica Limonum (Lemon) Fruit Extract
- Citrus Medica Limonum (Lemon) Fruit Oil
- Citrus Medica Limonum (Lemon) Fruit Powder
- Citrus Medica Limonum (Lemon) Fruit Water
- Citrus Medica Limonum (Lemon) Juice
- Citrus Medica Limonum (Lemon) Juice
- Citrus Medica Limonum (Lemon) Juice Extract
- Citrus Medica Limonum (Lemon) Juice Extract
- Citrus Medica Limonum (Lemon) Juice Powder
- Citrus Medica Limonum (Lemon) Leaf Cell Extract
- Citrus Medica Limonum (Lemon) Leaf Oil
- Citrus Medica Limonum (Lemon) Leaf/Peel/Stem Oil
- Citrus Medica Limonum (Lemon) Peel
- Citrus Medica Limonum (Lemon) Peel Extract
- Citrus Medica Limonum (Lemon) Peel Extract
- Citrus Medica Limonum (Lemon) Peel Oil
- Citrus Medica Limonum (Lemon) Peel Oil
- Citrus Medica Limonum (Lemon) Peel Powder
- Citrus Medica Limonum (Lemon) Peel Water
- Citrus Medica Limonum (Lemon) Peel Wax
- Citrus Medica Limonum (Lemon) Seed Oil
- Lactobacillus/Apple Fruit/Orange Peel/Carrot Root/Cucumber Fruit/Lemon Fruit Extract Ferment Filtrate
- Lactobacillus/Citrus Medica Limonum (Lemon) Peel Ferment Extract
- Lactobacillus/Propionibacterium/Lactose/Lemon Fruit/Date Fruit/Fig Fruit/Walnut Nut/Soybean/Onion Bulb/Soybean Sprout/Celery Bulb/Coconut Fruit/Artichoke Buds/Millet Seed/Pea Pod Ferment Filtrate
- Lactobacillus/Saccharomyces/Glucose/Cabbage Leaf/Lettuce Leaf/Garlic Leaf/Perilla Frutescens Leaf/Brassica Rapa Chinensis/Brassica Rapa Peruviridis/Carrot Root/Ginger Root/Cucumber Fruit/Melon Fruit/Watermelon Fruit/Capsicum Annuum Fruit/Citrus Hassaku Fruit/Citrus Junos Fruit/Lemon Fruit/Cauliflower/Peach

Monograph

Citrus Limon (Lemon) Fruit Extract

INCI Monograph ID: 8649

Published On: 12/04/1979

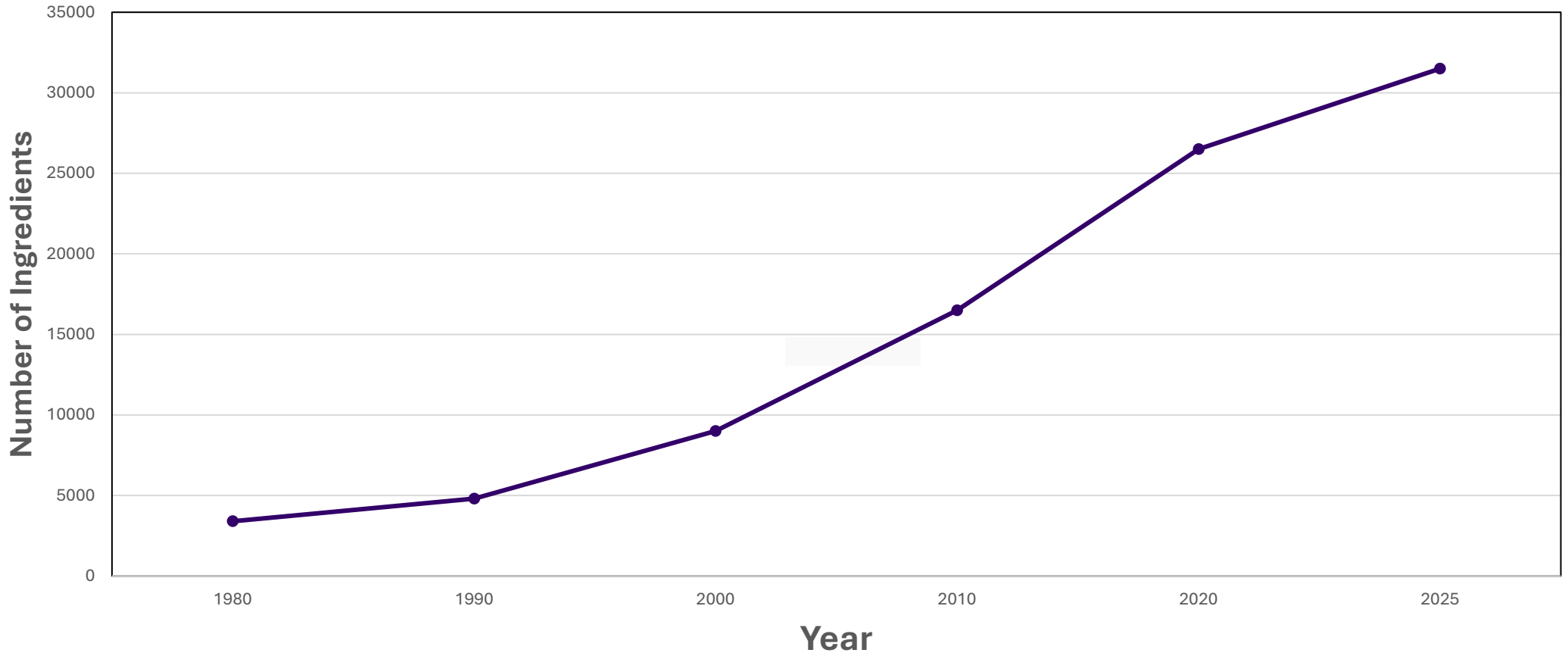
Frequency of Use: 6636

(PCPC analysis of FDA data, data update: March, 2025)

Former INCI Name:	Date of Change:
Citrus Medica Limonum (Lemon) Fruit Extract	03/01/2010
Citrus Medica Limonum (Lemon) Extract	07/06/1999
Lemon (Citrus Medica Limonum) Extract	07/14/1997

Personal Care Products Council

INCI Names – Growth Rate



*Numbers are approximate

Personal Care Products Council

Personal Care Products Council

Infobase

Sections of the Infobase

- Ingredient Search
- Information Lists
- Supplier Directory

Personal Care Products Council

Information Lists

- "What's New"
- Information Lists, e.g., SCCS Opinions, EU Annexes, Proposition 65, NICNAS/AICIS Assessments
- CIR Developments
- Special Issues, e.g., IFRA activities, Journal notes

Personal Care Products Council

Personal Care Products Council

Subscriptions | Resources | INCI Announcements | wINCI | InfoBase | IRDB | Carol Eisenmann

InfoBase

Ingredient Search
Information Lists
Supplier Directory

INCI

By logging into INCIpedia, you are affirming that you have read and agree to the Terms of Service and the Privacy Policy.

Welcome to INCIpedia, our continuously updated web-based compendium of information related to INCI names and regulatory information. INCIpedia features the subscription-based databases described below. Click here to listen to a presentation explaining the robust features of wINCI, InfoBase and International Regulatory Database (IRDB).

Please "Sign In" for access. All users will be directed to create credentials when signing in for the first time. Once logged in, the menu bar will reflect the content relevant to your profile, e.g., government user, non-subscriber (public), wINCI subscriber, etc.

Personal Care Products Council

Ingredient Information Lists

The Information List area provides a cross-reference of INCI names with various fields of information. A brief description of each list is provided where needed. To display all the items within a list, click the "all" icon located at the end of the alphabet.

To understand conventions used in assigning INCI names to the ingredients, and abbreviations presented in the Ingredient Database, users are directed to INCI Nomenclature - Conventions and Reference Information.

***The Former Names list area is currently under construction. In the interim, a table of INCI name changes can be accessed under INCI Announcements in the menubar.

- "What's New"
- Accepted Botanical Scientific Names
- Canada Cosmetic Ingredient Hotlist
- Chemical Classes
- Chemical Safety Cards

Personal Care Products Council

"What's New"

! # A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ALL

Date:	Title:
10/14/2025	FDA: Determination of Subsidiary Colors in D&C Red No. 36 (Pigment Red 4) by HPLC and UHPLC
10/14/2025	OEHHA: Proposed Public Health Goal (PHG) for 1,4-Dioxane in Drinking Water
10/02/2025	FDA Encourages Development of New, Reliable Alternatives to Animal Testing in Sunscreen
10/02/2025	Information Letter 1218: Publication of Ministry of Public Health Thailand Notification RE: Prescribing the list of Category 4 Narcotics (Issue No.3) B.E. 2568 (piperonal)
10/01/2025	Confirmation of Effective Date for Listing of Gardenia (Genipin) Blue a Color Additive Exempt From Certification
09/30/2025	OEHHA Adopts No Significant Risk for Titanium Dioxide (airborne, unbound particles of respirable size) Effective October 1, 2025
09/26/2025	CIR Posts Scientific Literature Review on Salix alba (Willow)-Derived Ingredients

Personal Care Products Council

Proposition 65

The Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) requires the Governor to maintain a list of chemicals "known to the state" to cause cancer or reproductive toxicity. The Act also requires the Governor to revise and republish that list at least once per year. For these chemicals, the lead agency may determine levels of exposure deemed to pose no significant risk, in the case of chemicals alleged to cause cancer, or allowable daily dose levels, in the case of chemicals alleged to cause reproductive toxicity.

Please go to California's Proposition 65 website at https://oehha.ca.gov/proposition-65 for more information.

Updated:

Date Updated: October 30, 2025

- Chemicals Known to the State to Cause Cancer (Proposition 65)
- Chemicals Known to the State to Cause Reproductive Toxicity (Proposition 65)

Personal Care Products Council

Chemicals Known to the State to Cause Cancer (Proposition 65)

The Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) requires the Governor to maintain a list of chemicals "known to the state" to cause cancer or reproductive toxicity. The Act also requires the Governor to revise and republish that list at least once per year. For these chemicals, the lead agency may determine levels of exposure deemed to pose no significant risk, in the case of chemicals alleged to cause cancer, or allowable daily dose levels, in the case of chemicals alleged to cause reproductive toxicity. Specific regulatory levels may also be identified by other means.

See also, "Chemicals Known to the State to Cause Reproductive Toxicity."

Omit Entries without INCI Match: ☐

Search against: List Detail ☑ INCI Name ☑

List Detail:	INCI Name:
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (Methyl-CCNU)	
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	
1,1,1,2-Tetrachloroethane	
1,1,2,2-Tetrachloroethane	

Personal Care Products Council

List Detail

Subscription List:	Chemicals Known to the State to Cause Cancer (Proposition 65)	
List Entry:	Acetaldehyde	
Date:	04/01/1988	
Restrictions/Conditions of Use:	90 microg/day (inhalation)	
INCI Names:	Acetaldehyde	
ID Numbers:	**CAS**	**EC Number**
	75-07-0	

Special Issues

The Special Issues Section of the On-Line is designed to provide background and to follow topics of particular concern and recurring interest. It is a general treatment of each topic, and the user should contact the Personal Care Products Council for more in-depth information.

Ingredient Search

- Search by name (INCI name, technical name, trade name), CAS Number (with or without dashes), EC number, MonoID
- Partial name search – 3 character minimum
- Asterisk (*) is the wildcard character
- "quotes" for exact matches
- (INN) will bring up all the INN names

Personal Care Products Council

bht

Search

Print

INCI Names that match your query:

BHT
Tris-BHT Mesitylene

Technical/Other Names that match your query:

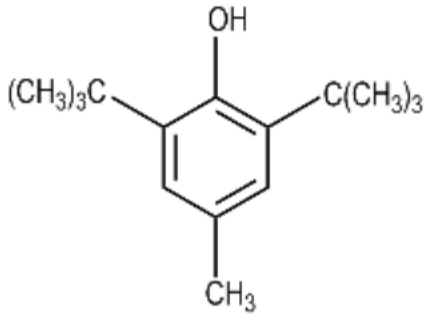
BHT (HCPA)

Trade Names that match your query:

Eastman Tenox BHT
Kpcbht-100
OriStar BHT
Uantox BHT

Personal Care Products Council

Definition: BHT is a substituted toluene that conforms to the formula:



SMILES: c1(c(O)c(C(C)(C)C)cc(c1)C)C(C)(C)C

Safety/Regulatory Information

CIR Reports

Information Sources:

- 21CFR172.115
- 21CFR172.615
- 21CFR173.340
- 21CFR175.105

If the Safety/Regulatory Information Link is not present, we do not have any information in the lists for that ingredient.

If the CIR Reports link is not present, it means the ingredient has not been reviewed by CIR.

Personal Care Products Council

Personal Care Products Council

BHT is part of the following subscription lists:

List	List Detail	Date
Chemical Safety Cards	Butylated Hydroxytoluene	January 17, 2019
CIR Developments	72nd Meeting, CIR Expert Panel, September 10, 1999	September 10, 1999
EU Annex III: List of Substances Which Cosmetic Products Must Not Contain Except Subject to the Restrictions	2,6-Di-Tert-Butyl-4-Methylphenol (From July 2023 cosmetic products containing that substance and not complying with the restrictions shall not be placed on the Union market. From 1 January 2024 cosmetic products containing that substance and not complying with restrictions shall not be made available on the Union market.)	November 14, 2022
IARC	BUTYLATED HYDROXYTOLUENE (BHT)	February 03, 2003
Journal Notes	California: Chemicals of Concern in Personal Care Products Used by Women of Color	November 07, 2022
National Toxicology Program (NTP)	Butylated Hydroxytoluene	November 22, 2016
Opinions of the EU Scientific Committees Concerning the	Butylated Hydroxytoluene (BHT)	

Personal Care Products Council

Subscriptions | Resources | INCI Announcements | wINCI | InfoBase | Government | IRDB | Carol Eisenmann

List Detail

Subscription List:	Opinions of the EU Scientific Committees Concerning the Safety of Cosmetic Ingredients
List Entry:	Butylated Hydroxytoluene (BHT)
Details:	Scientific Committee on Consumer Safety SCCS Opinion of Butylated Hydroxytoluene (BHT) The SCCS adopted this document by written procedure on 2 December 2021
Attached file:	sccs_o_257.pdf
INCI Names:	BHT

CIR Ingredient Status Report

CIR Ingredient Status Report

The following table provides a quick view of the status of CIR reports that include this ingredient. Clicking on any individual INGREDIENT will take you to the monograph for that ingredient in the ingredients area of the On-Line INFOBASE . Clicking on the STATUS will provide you an explanation of the status of the ingredient and a copy of the relevant report available from CIR.

For additional information about the Cosmetic Ingredient Review, see the CIR Home Page

Ingredient	Status	Date/Reference
BHT	Published Re-review Not Opened	IJT 42(Suppl. 3):17-19, 2023
BHT	Published Report	IJT 21(Suppl.2):19-94, 2002

Two Routes to List Information

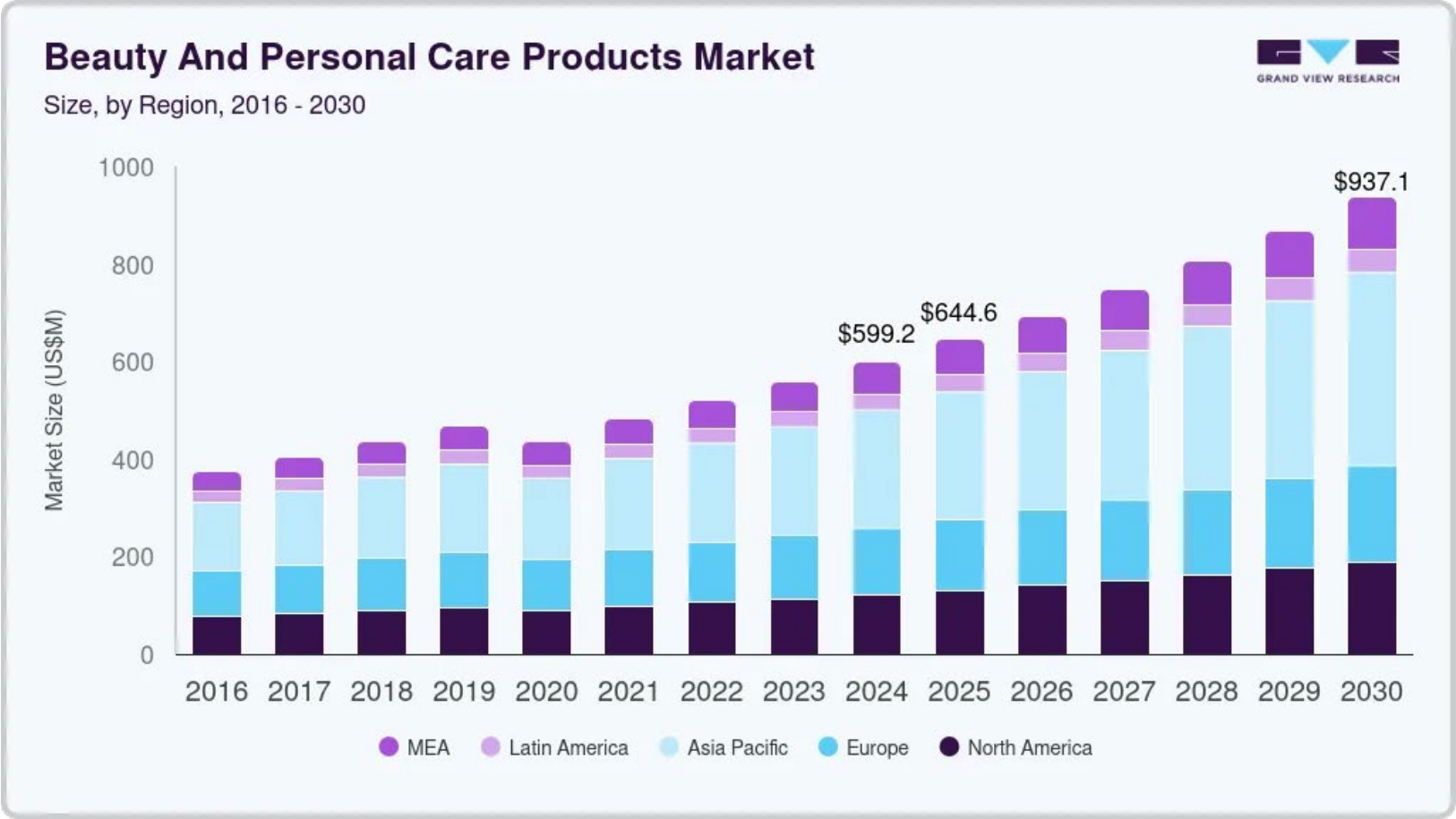
- Direct route
- Look up information directly in a list
  - "What's New"
  - Looking for information on contaminants
  - Looking for information not related to an INCI name
- Indirect route – via the monograph
- From the Safety/Regulatory Information link on the monograph
  - Looking for INCI name related information

Personal Care Products Council

Personal Care Products Council

International Regulatory Database (IRDB)

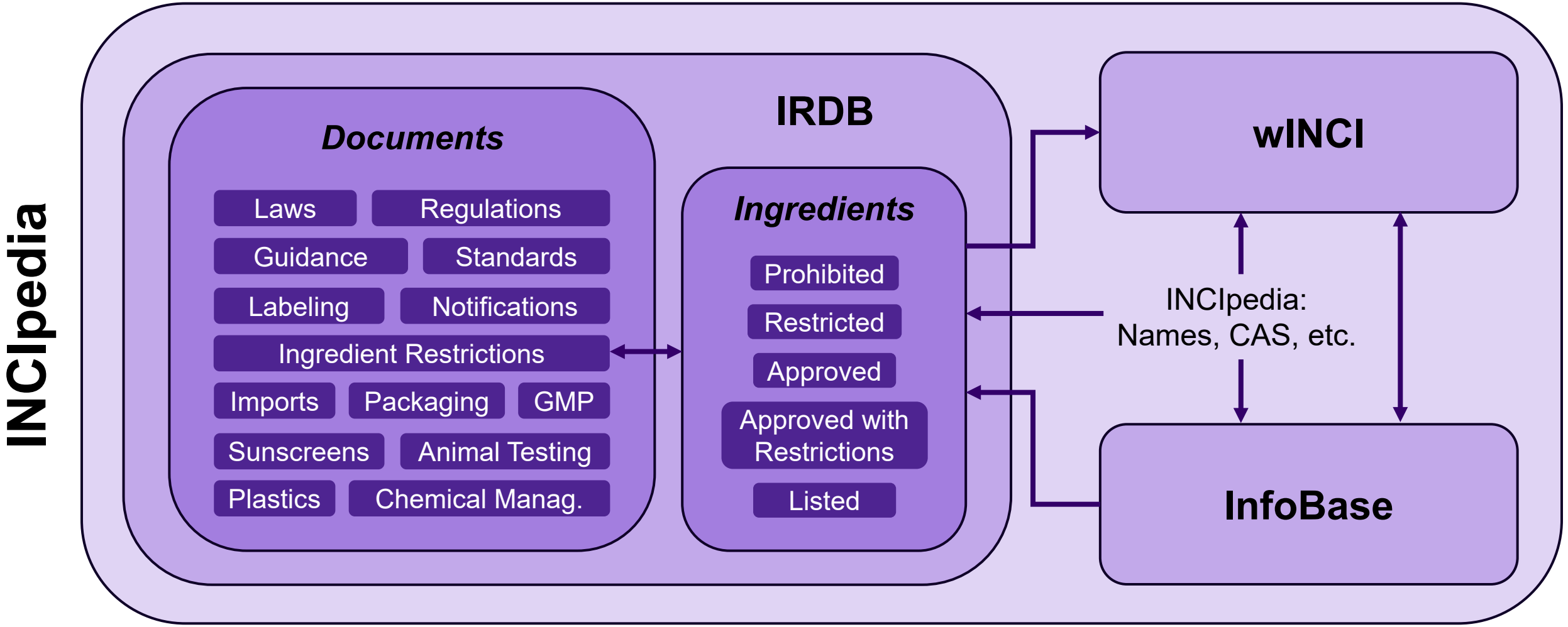
The cosmetics market continues to grow globally



But so does the regulatory complexity…

Personal Care Products Council

IRDB Brings Together Global Regulatory & INCI Data



IRDB Documents

Region
European Union (EU)

Gov. Agency
European Commission

Date Published
9/1/2025

Document Name *
Consolidated text: Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products (recast)

URL 1
https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02009R1223-20250901

Categories
Animal Testing
Cosmetic Regulatory
Good Manufacturing Practices
Ingredient Restrictions
Labeling
Regulations
Sunscreens

Name ↓	Ingredient Status	Function	Level/Restriction
Cinchocaine (INN) and its salts	Prohibited		
CI Acid Black 131 and its salts, when used as a substance in hair dye products	Prohibited		
CI 77947	Approved with Restrictions		
CI 77891	Approved with Restrictions	Purity criteria as set out in Commission Directive 95/45/EC (E 171) Titanium dioxide in powder form containing 1% or	

IRDB Ingredients

Region
European Union (EU)

Name *
CI 77891

Reference
EU Annex IV: List of Colorants Allowed in Cosmetic Products

IRDB Document
Consolidated text: Regulation (

Ingredient Status
Approved with Restrictions

Function
Purity criteria as set out in Commission Directive 95/45/EC (E 171) Titanium dioxide in powder microm, to be used in compliance with Annex III, No 321.

Related INCI Ingredients

Full Ingredient Name
Titanium Dioxide
CI 77891

CAS Number ↑
13463-67-7

Links to INCI Monograph

Links between IRDB Documents & Ingredients

Personal Care Products Council

PCPC's Many Sources for IRDB Data

Members: Committees & IRDB Subscribers

International Executive Steering Committee (IX)

International Committee (IC)

Trade Policy WG

Regional Subcommittees

EMEA

Middle E.

Africa

Latin America

Canada

Asia-Pacific

China

Global Trade Associations

Governments

International Cooperation on Cosmetics Regulation

World Trade Organization

U.S. Food & Drug Administration

Personal Care Products Council

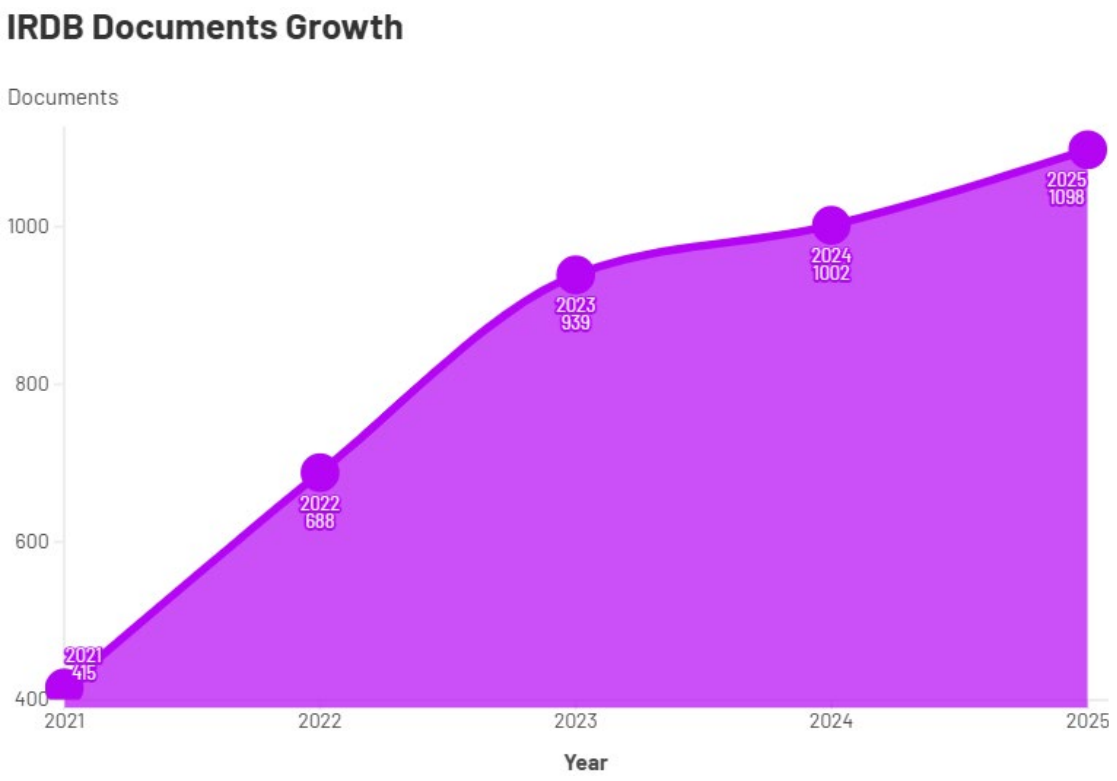
IRDB Tracks the Growing Complexity of Cosmetic Requirements

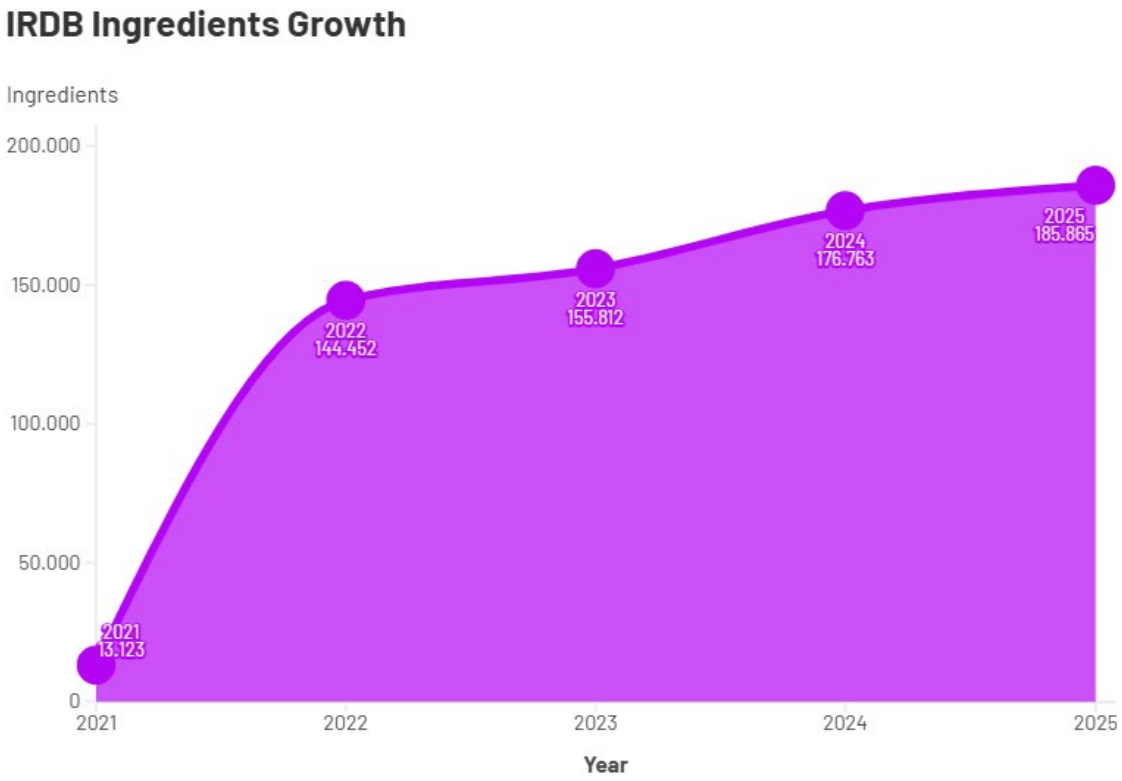
9 Regional Communities

120 Countries

1,100+ Documents

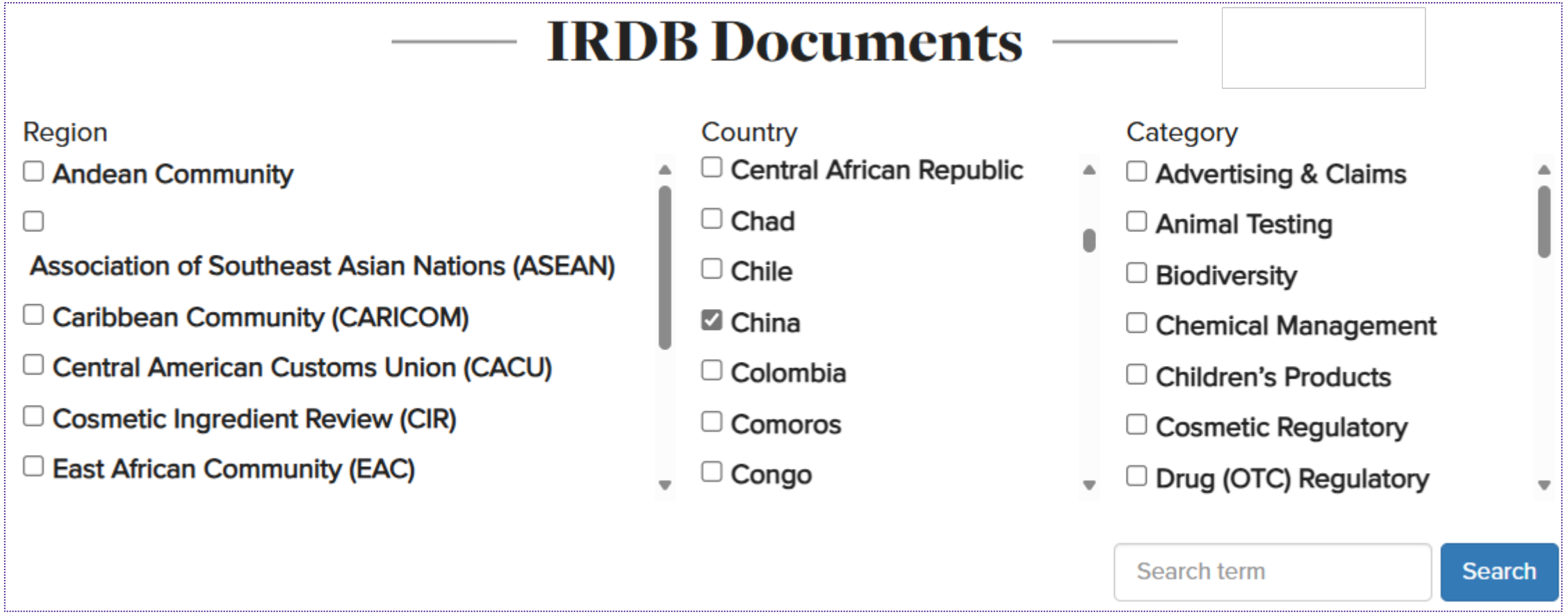
185,000 Ingredients





IRDB Demonstration

IRDB Document Search



Personal Care Products Council

Document Search Results

Personal Care Products Council

Region	Country	Name	Date Published	Date Effective	Categories
	China	Catalogue of Used Cosmetic Raw Materials I	2025-06-24		Ingredient Restrictions
	China	Appendix 1: Guidelines for Historical Research and Judgment on the Safe Use of New Cosmetic Raw Materials (Trial)	2025-06-24		Guidance
	China	Q&As of the Information on Ingredient Use of Marketed Product	2024-01-01		Guidance
	China	Catalogue of products that DO NOT belong to Dual-use licenses administration for import and export	2024-01-01		Import & Export Controls
	China	Notice on implementation of toothpaste regulatory regulations and simplification of the filing requirements for marketed toothpastes	2023-09-25		Regulations
	China	Guidance on Filling in Cosmetic Raw Material Safety Information Platform	2023-09-09		Guidance
	China	Technical Guidelines for Filling in and Submitting Cosmetic Raw Material Safety Information	2023-09-09		Guidance
	China	Technical Guidelines for Filling in and Submitting Cosmetic Formula	2023-09-09		Guidance
	China	Technical guidelines on cosmetic ingredient safety information platform	2023-09-04		Guidance
	China	Technical guidelines for completing formulation information	2023-09-04		Guidance
	China	Technical guidelines for completing the safety information of cosmetic ingredients	2023-09-04		Guidance

Personal Care Products Council

Document Details

Document Name *

Catalogue of Used Cosmetic Raw Materials I

Country

China

Date Published

6/24/2025

Date Effective

—

Document Status

Final

Gov. Agency

National Medical Produ

Categories

Ingredient Restrictions

Superseded Record

Inventory of Existing Cosmetic Ingredients in China 2021 (IECIC 2021)

URL 1

https://hzpsys.nifdc.org.cn/hzpGS/ysyhzpylmla

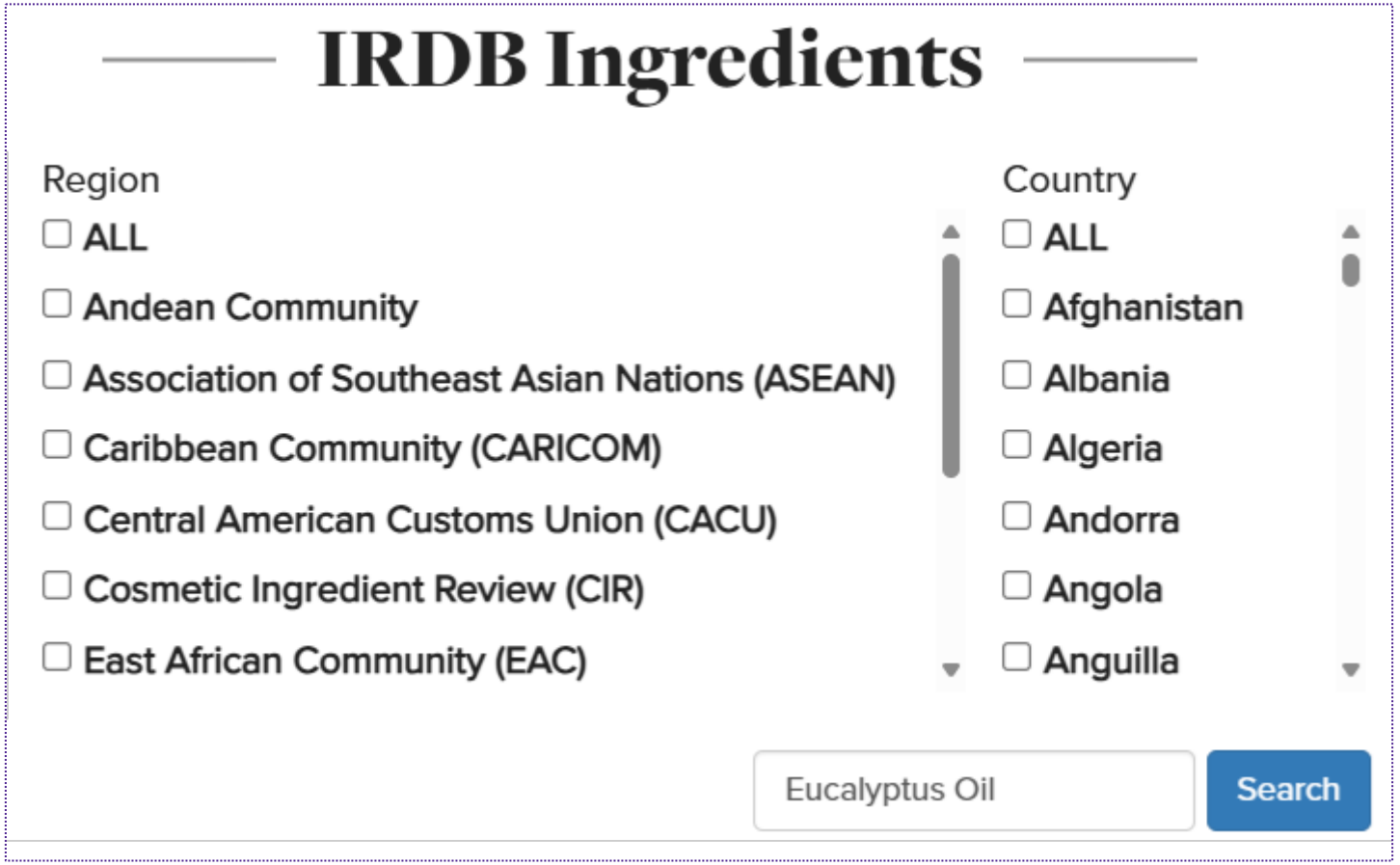
Summary

The "Catalogue of Used Cosmetic Raw Materials" is divided into two lists: I and II. Among them, the "Catalogue of Used Cosmetic Raw Materials" I is an objective collection of raw materials used in cosmetics produced and sold in China. When selecting the raw materials listed in this catalogue, the cosmetics registrant and filing person shall comply with the relevant requirements of relevant national laws and regulations, mandatory national standards and technical specifications, and bear the main responsibility for product quality and safety.

PDF Language

Chinese

IRDB Ingredient Search



Personal Care Products Council

Ingredient Search Results

Personal Care Products Council

Region	Country	Reference	Name	Ingredient Status	Function	Level Restriction	Required Label Warning
	Canada	Natural Health Products Ingredients Database	Blue Mallee Essential Oil			The presence of eucalyptus oil as restricted on the List of Prohibited and Restricted Cosmetic Ingredients (the Cosmetic Ingredient Hotlist) indicates that there are potential safety issues. This ingredient must be used in accordance with the restrictions set out on the Hotlist when included in natural health products, unless additional evidence for safety is submitted.	
	Canada	Natural Health Products Ingredients Database	Eucalyptus Dives Leaf Essential Oil			The presence of eucalyptus oil as restricted on the List of Prohibited and Restricted Cosmetic Ingredients (the Cosmetic Ingredient Hotlist) indicates that there are potential safety issues. This ingredient must be used in accordance with the restrictions set out on the Hotlist when included in natural health products, unless additional evidence for safety is submitted.	
	Australia	AICIS	Eucalyptus oil	Listed			
	Canada	Canada Cosmetic Ingredient Hotlist	Eucalyptus oil	Restricted	a) Cosmetics in solid form b) Cosmetics in other forms with greater than 0.022% c) Cosmetics in other forms with less than or equal to 0.022%		b) "Keep out of reach of children", and "In case of accidental ingestion, call a Poison Control Centre or doctor immediately and advise them this product contains

Ingredient Details

Name *

Eucalyptus oil

Country

Canada

Reference

Canada Cosmetic Ingredient Hotlist

IRDB Document

Cosmetic Ingredient Hotlist

Ingredient Status

Restricted

Function

a) Cosmetics in solid form b) Cosmetics in other forms with greater than 0.022% c) Cosmetics in other forms with less than or equal to 0.022%

Level/Restriction

—

Required Label Warnings

b) "Keep out of reach of children", and "In case of accidental ingestion, call a Poison Control Centre or doctor immediately and advise them this product contains eucalyptus oil."

Other Notes

—

Date Published

8/26/2022

Date Effective

—

Related INCI Ingredients

Full Ingredient Name	CAS Number
Eucalyptus Radiata Leaf/Stem Oil	1627700-32-6
Eucalyptus Radiata Leaf Oil	8000-48-4
Yuukari Yu	85203-56-1
Eucalyptus Oil	90028-48-1

< 1 2 3 4 >

< 1 2 >

Personal Care Products Council

Select Recent Updates

North & South America

- Canada Environmental Claims Guidance
- Canada Natural Health Products Ingredient Database
- Central America Technical Regulation

Europe

- EU 1223/2009 Regulation Update
- EU Reporting Requirements for Microplastics
- EU Deforestation-Free Products Guidance
- France Law No. 2025-188 on PFAS

Middle East & Africa

- East African Community standards
- Dubai Technical Guidelines
- Egypt Cosmetovigilance Guidelines
- Jordan Cosmetics Inspection System
- Nigeria Guidelines for Inspections
- Zambia Labeling Guidance

Asia-Pacific

- China Catalogue of Used Cosmetic Raw Materials & Guidelines for New Materials
- India Cosmetics (Amendments) Rules 2025
- Australia Permissible Ingredients Determination
- ASEAN Cosmetic Annexes
- Malaysia Cosmetic Annexes
- Sri Lanka Registration Guidelines

Personal Care Products Council

New IRDB Feature: Multi-Category Search

New categories:

- Advertising & Claims
- Animal Testing
- Biodiversity
- Children's Products
- Good Manufacturing Practices
- Ingredient Restrictions
- Import & Export
- Labeling
- Microbeads & Microplastics
- Packaging & Disposal
- Religious Claims
- Sunscreens
- Sustainability

Applied to every document in IRDB!

Region	Name	Categories
European Union (EU)	Consolidated text: Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products (recast)	Regulations Cosmetic Regulatory Ingredient Restrictions Sunscreens Good Manufacturing Practices Labeling Animal Testing

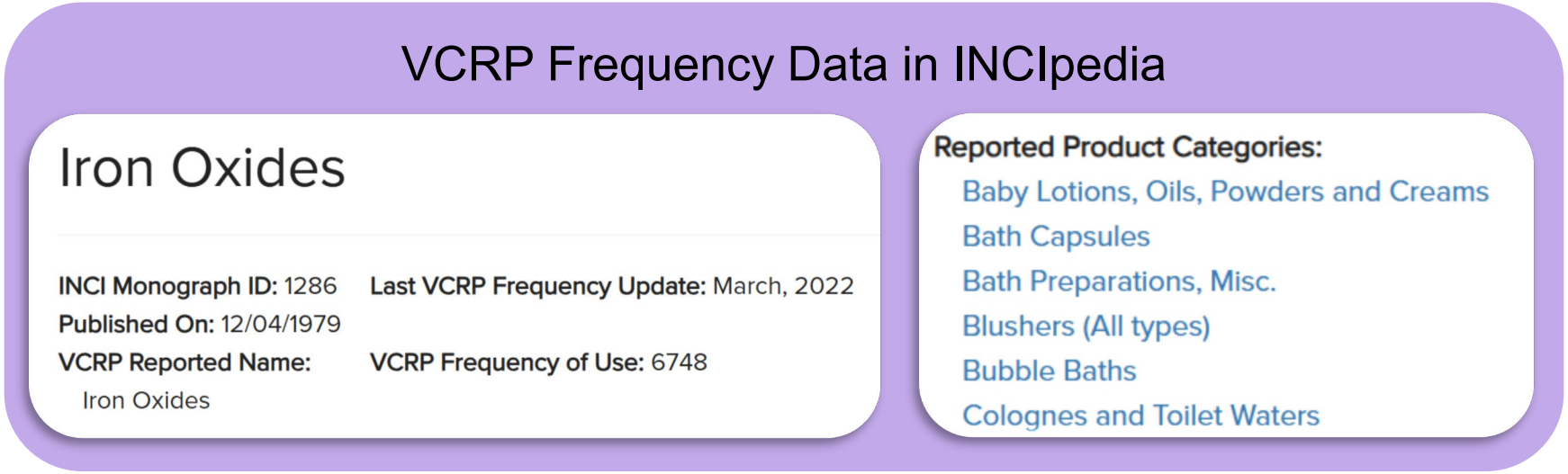
Personal Care Products Council

Personal Care Products Council

UPDATE: Ingredient Frequency of Use

History of FDA's Ingredient Frequency of Use Report

- Until March 2023, FDA made a VCRP report available to stakeholders
- Used by both PCPC (wINCI, research, & advocacy) & CIR (assessments)

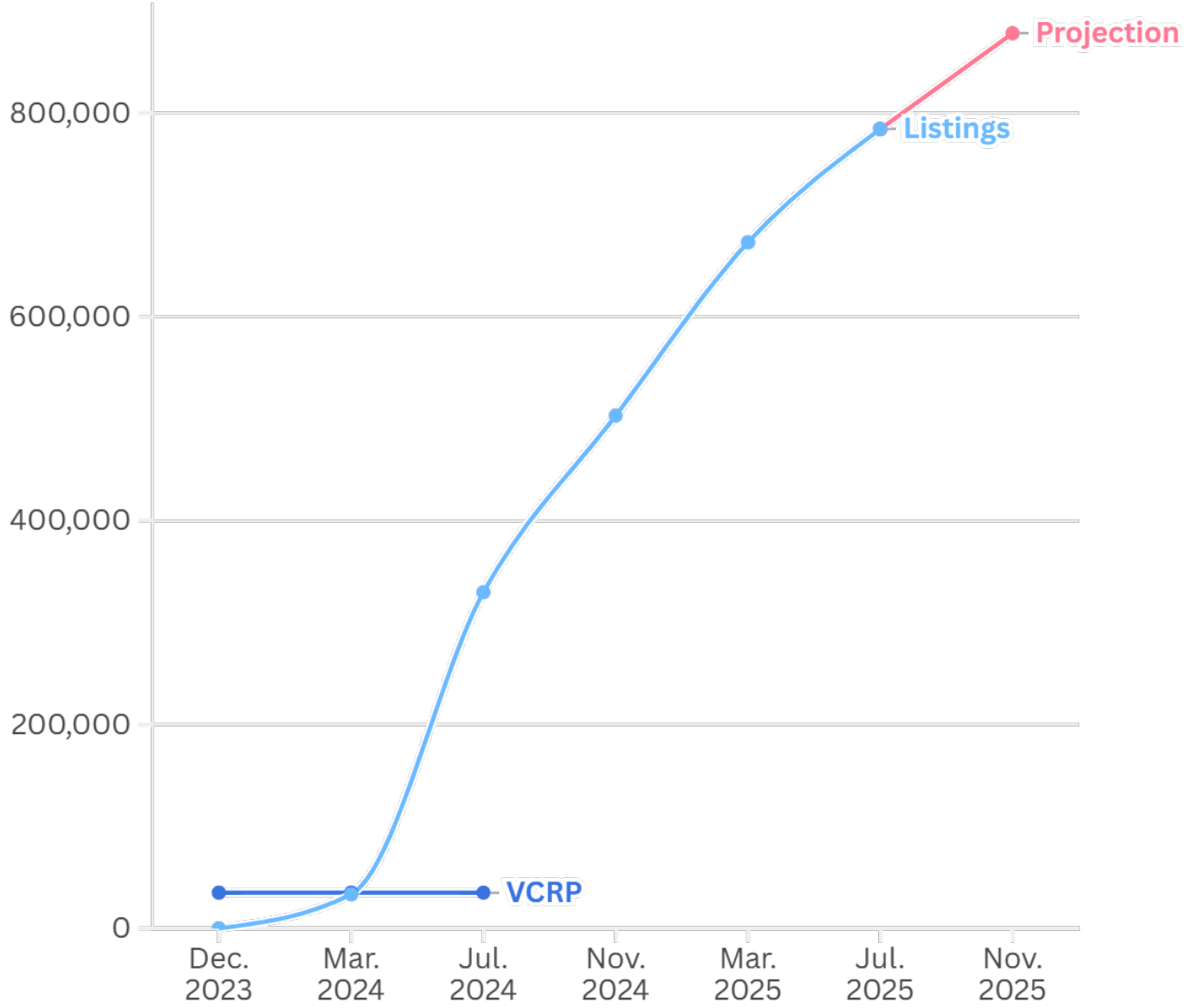


- However, FDA did not recreate the frequency of use for the MoCRA cosmetic product listing program…

Personal Care Products Council

Cosmetic Products Listed with FDA

Dec. 2023 - July 2025



Personal Care Products Council

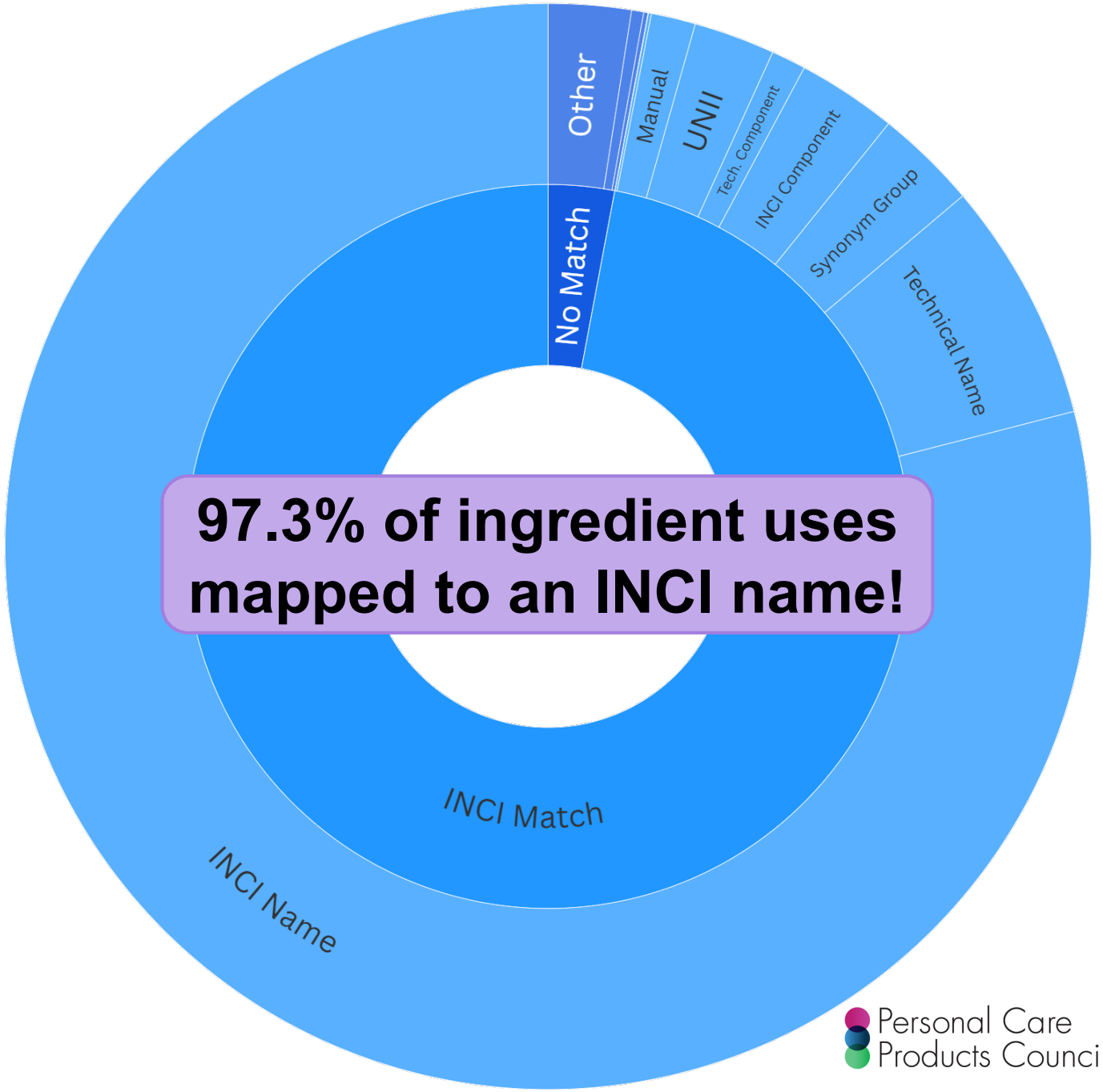
Listings Included Many Synonyms & Misspellings

WATER(059QF 0KO0R)	WATER	EAU)	Aqua	WATER/ AQUA
AQUA	WATER\AQUA\ EAU	PURIFIED WATER (AQUA)	WATER AQUA	AQUA/ WATER/ EAU
AQUA(059QF0 KO0R)	AQUA / WATER	Aqua (Water)	WATER.	DEIONIZED WATER(AQUA)
AQUA (WATER)	WATER (AQUA, EAU)	WATER/EAU/A QUA	AQUA (PURIFIED WATER)	AQUA ((WATER) EAU)
WATER (AQUA)	DEIONIZED WATER	AQUA-WATER-EAU	Water EAU)	AQUA*(WATER)
AQUA/WATER/ EAU	AQUA(WATER)	DEIONIZED W ATER	AQUA (WATER) (EAU)	ONSEN-SUI AQUA.
AQUA / WATER / EAU	WATER/AQUA	DISTILLED WATER	Water(059QF0 KO0R)	WATER [AQUA]
WATER/AQUA/ EAU	WATER / AQUA / EAU	AQUA (MINERAL SPRING WATER)	PURE WATER	AQUA [WATER] (EAU)
WATER WATER(AQUA)	AQUA [WATER]	AQUA WATER EAU	AQUA (DEMINERALI ZED WATER)	…
AQUA/WATER	WATER (AQUA/EAU)	AQUA (WATER	WATER\EAU	
WATER/EAU	AGUA	WATER (EAU)	WATER(AQUA)	
AQUA (WATER/EAU)	WATER/EAU (AQUA)	Water (Aqua)	?AQUA (WATER)	
PURIFIED	AQUA (WATER,			

PCPC initiated a project to map the INCI names for these ingredients…

Personal Care Products Council

PCPC INCI Mapping Project



Personal Care Products Council

Ingredient Frequency of Use

PCPC analysis of FDA's listing data

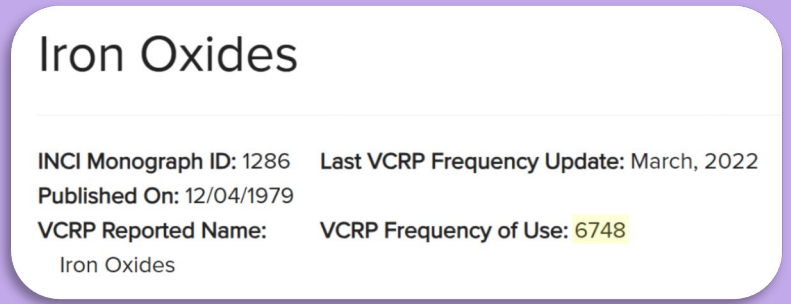
Ingredient Name	Frequency
Water	391,636
Fragrance	257,107
Glycerin	242,102
Phenoxyethanol	205,317
Titanium Dioxide	176,190
Iron Oxides	163,163
Dimethicone	116,653
Tocopherol	116,562
Ethylhexylglycerin	107,343
Mica	104,497
Citric Acid	99,093
Propylene Glycol	96,895
Tocopheryl Acetate	90,600
Butylene Glycol	88,843
Silica	87,974
Cetearyl Alcohol	80,826

Ingredient Name	Frequency
Mineral Oil	76,776
Sodium Hyaluronate	76,613
Alcohol	75,805
Caprylic/Capric Triglyceride	75,187
Caprylyl Glycol	73,433
Linalool	71,295
Disodium EDTA	69,421
Limonene	67,413
Ethylhexyl Palmitate	67,379
Sodium Benzoate	61,385
Glyceryl Stearate	59,359
1,2-Hexanediol	58,503
Sodium Chloride	58,348
Xanthan Gum	55,595
Carbomer	55,053
…	…

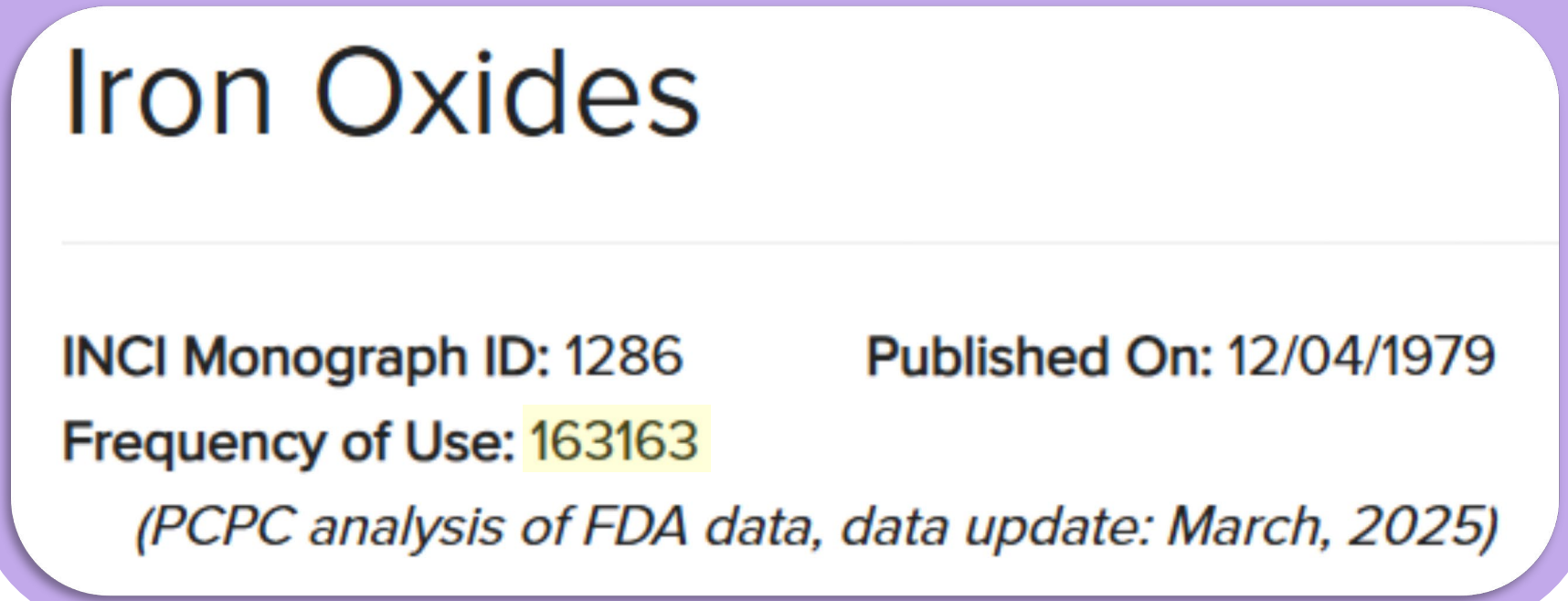
Personal Care Products Council

Now Live on INCIpedia!

Old Frequency of Use



New Frequency of Use



Personal Care Products Council

Personal Care Products Council

Closing Remarks

Interested in a Subscription or Trial?

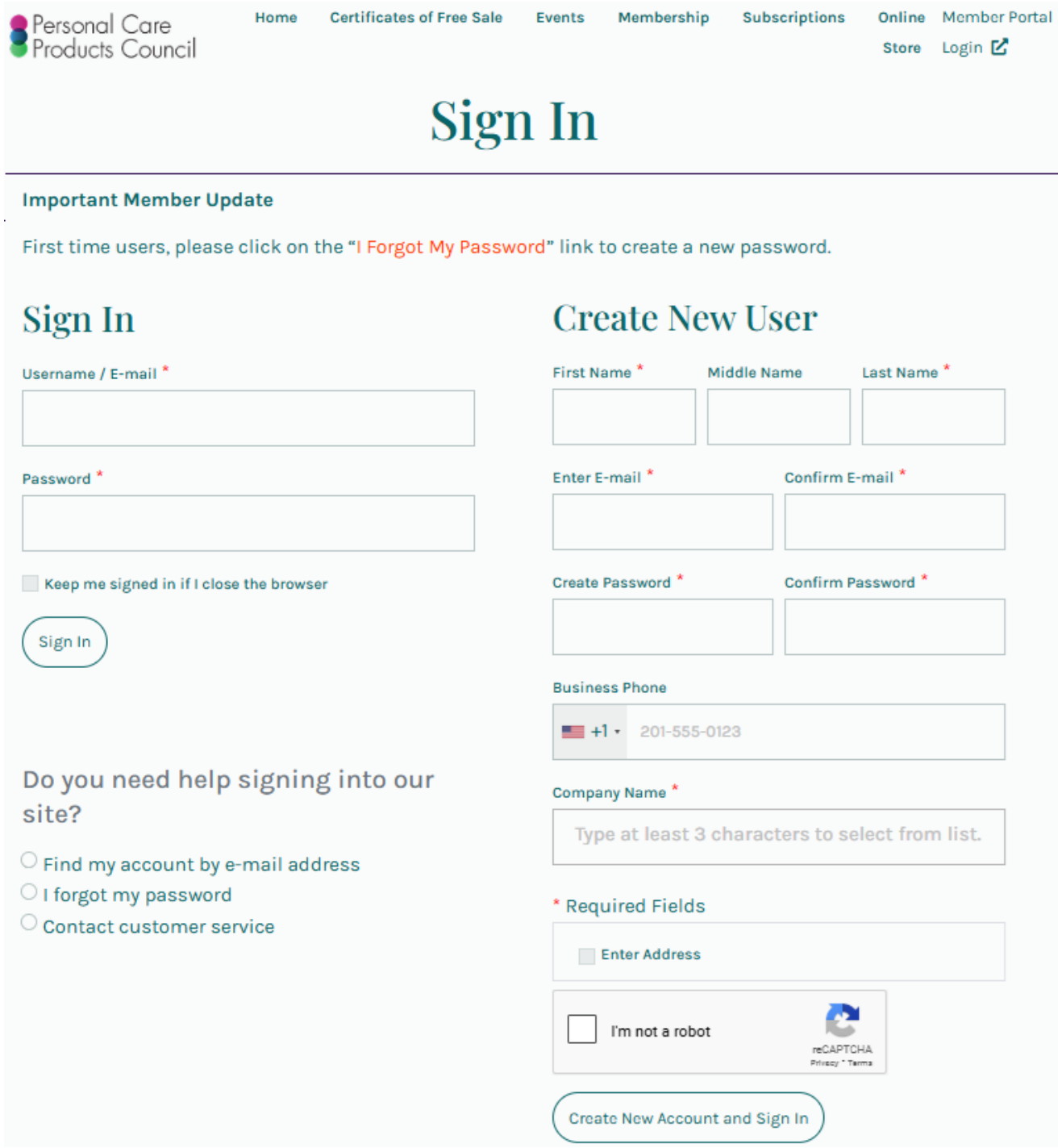
Please contact PCPC's membership team!

Membership@personalcarecouncil.org

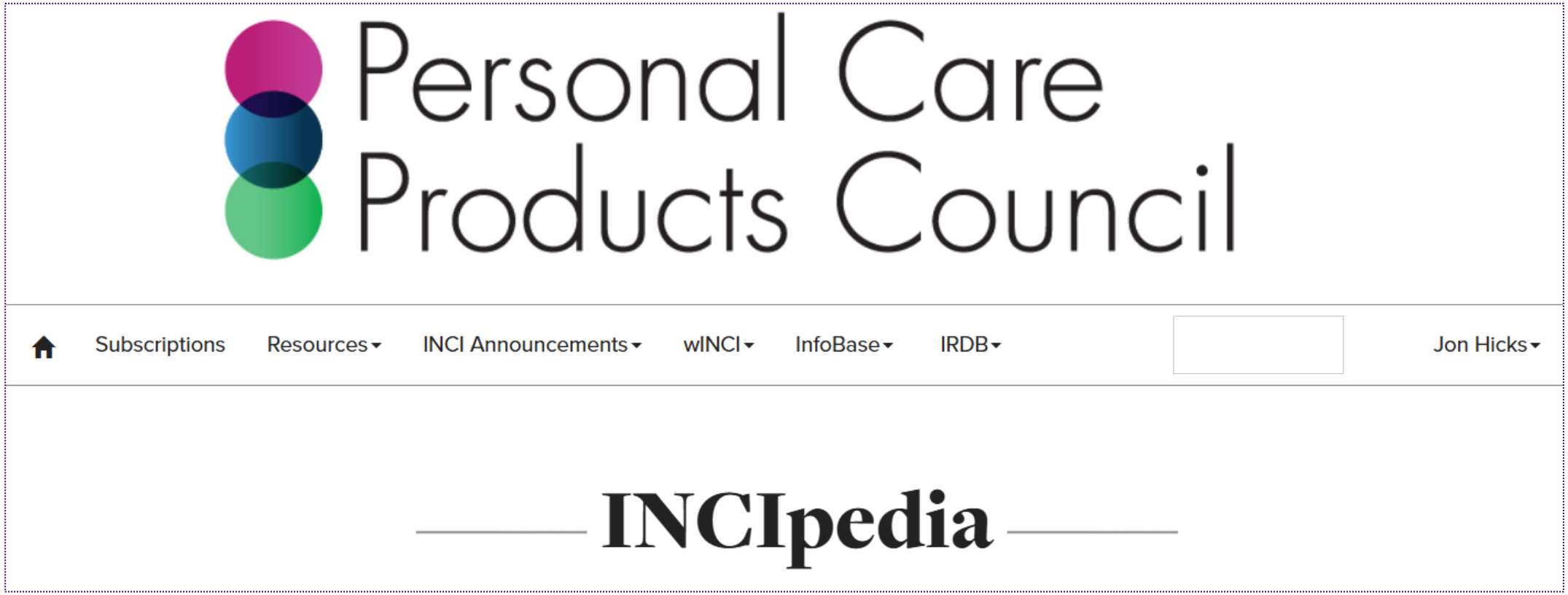
Personal Care Products Council

Login Instructions for Subscribers & Public Access

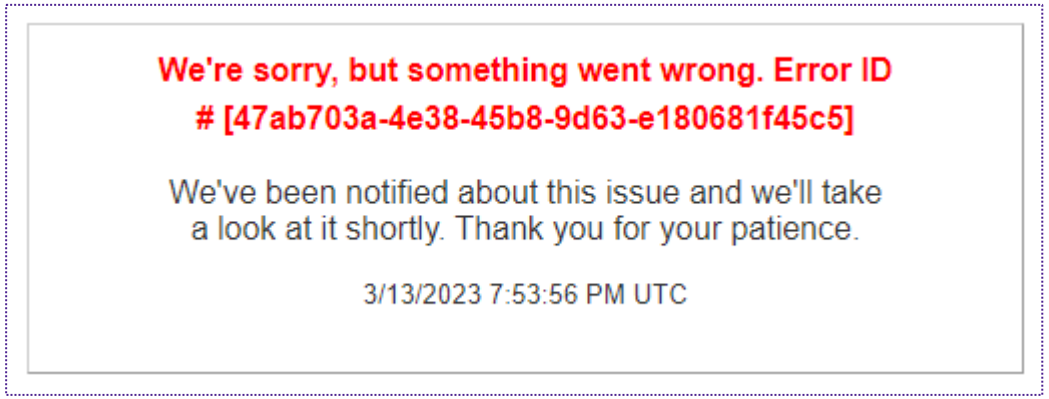
1. Click “Sign In” located on the upper-right hand corner of incipedia.personalcarecouncil.org
2. Fill in the “Create New User” form
3. Confirm company name is correct
4. Contact us after submitting: Membership@personalcarecouncil.org or SciDB@personalcarecouncil.org
5. We will send you a confirmation email when access is granted



Please let us know if you do not see
all your subscriptions after signing on

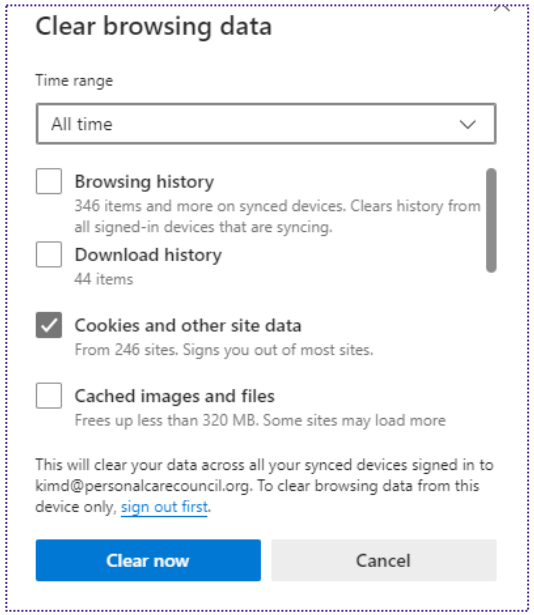


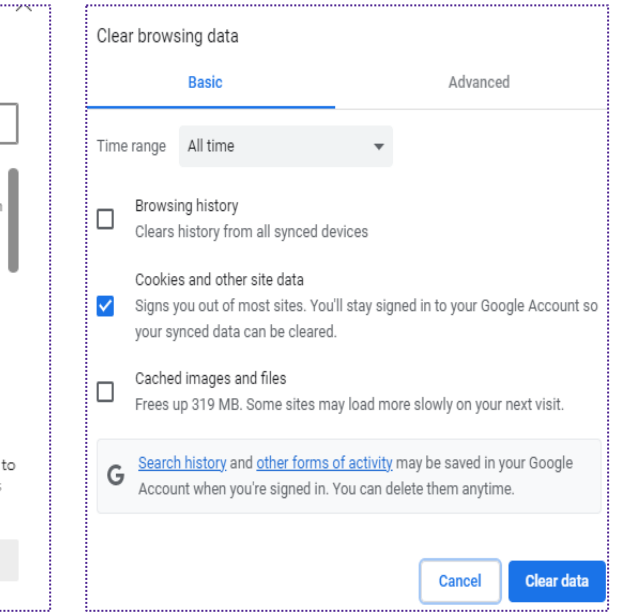
Solution to Site Cookies Error



If you see this error message:

1. Contact SciDB@personalcarecouncil.org
2. Clear "Cookies and other site data" in your internet browser





Personal Care Products Council

Access INCIpedia Today

https://incipedia.personalcarecouncil.org/

wINCI & InfoBase Questions	IRDB Questions
INCI@personalcarecouncil.org	hicksj@personalcarecouncil.org
New Subscribers	**Tech Help**
Membership@personalcarecouncil.org	SciDB@personalcarecouncil.org Passwords@personalcarecouncil.org

Subscribers Encouraged to Share Questions and Requests with INCIpedia team!

Personal Care Products Council

Personal Care Products Council

Questions?