





Making the cosmetics industry more transparent,  
thanks to open data and crowdsourcing

# COSMETICS ARE ALL GREEK, ENGLISH & LATIN TO US

## [PR-012261]-INGREDIENTS

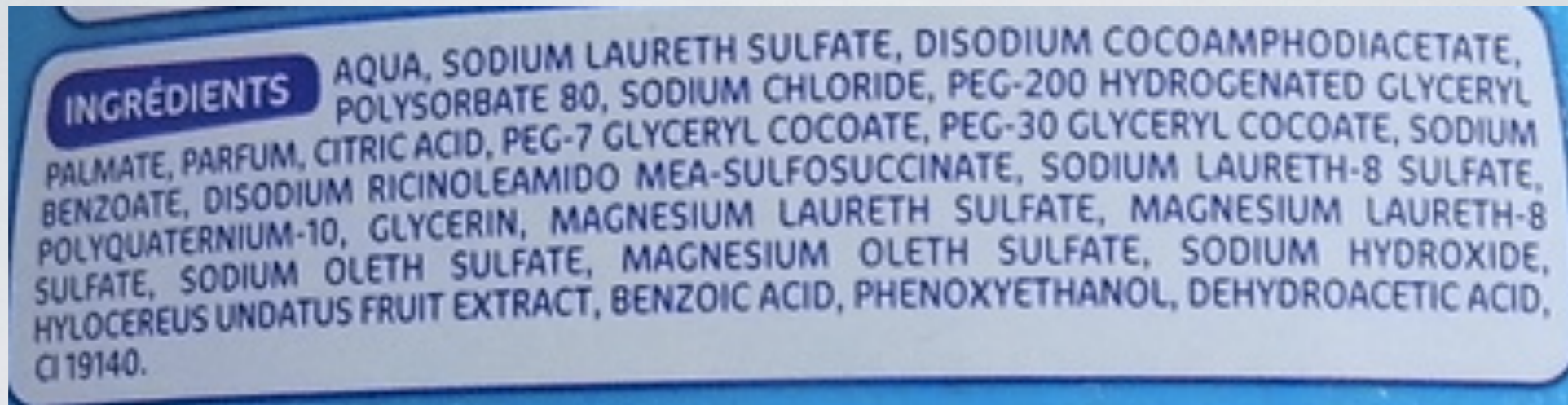
Aqua, Sodium Laureth Sulfate, Glycerin, Cocamidopropyl Betaine, Sucrose Cocoate, Citrus Aurantifolia Fruit Extract, Citrus Nobilis Fruit Extract, Propylene Glycol, Polysorbate 20, Cocamide MEA, Lauryl Glucoside, Disodium Cocoamphodiacetate, Cetareth-60 Myristyl Glycol, Polyquaternium-7, Sodium Chloride, Sodium Sulfate, Tetrasodium EDTA, Citric Acid, Sodium Glycolate, Methylisothiazolinone, Sodium Benzoate, Parfum, Limonene, CI 19140 CI 42051, CI 47005

SANS PARABEN



## TURNING COSMETIC DATA INTO PLAIN TALK





Aqua, sodium laureth sulfate, disodium cocoamphodiacetate, polysorbate 50, sodium chloride, peg-200 hydrogenated glyceryl palmate, parfum, citric acid, peg-7 glyceryl cocoate, peg-30 glyceryl cocoate, sodium benzoate, disodium ricinoleamido meo-sulfosuccinate, sodium laureth-8 sulfate, polyquaternium-10, glycerin, magnesium laureth sulfate, magnesium laureth-8 sulfate, sodium oleth sulfate, magnesium oleth sulfate, sodium hydroxide, hylocereus undatus fruit extract, benzoic acid, phenoxyethanol, dehydroacetic acid, CI 19140.

FOR CONSUMERS,  
THE COSMETICS INDUSTRY IS STILL  
VERY MUCH A BLACK BOX





# CAN WE OPEN THE DATA ON FOOD PRODUCTS OURSELVES?



**WIKIPEDIA**  
The Free Encyclopedia



**OpenStreetMap**  
The Free Wiki World Map

and  
?

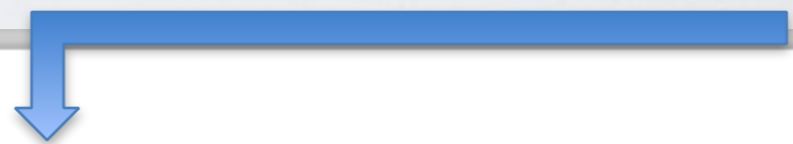


# Deciphering Labels with help from the EU and the DGT ☺

**INGRÉDIENTS** AQUA, SODIUM LAURETH SULFATE, DISODIUM COCOAMPHODIACETATE, POLYSORBATE 80, SODIUM CHLORIDE, PEG-200 HYDROGENATED GLYCERYL PALMATE, PARFUM, CITRIC ACID, PEG-7 GLYCERYL COCOATE, PEG-30 GLYCERYL COCOATE, SODIUM BENZOATE, DISODIUM RICINOLEAMIDO MEA-SULFOSUCCINATE, SODIUM LAURETH-8 SULFATE, POLYQUATERNIUM-10, GLYCERIN, MAGNESIUM LAURETH SULFATE, MAGNESIUM LAURETH-8 SULFATE, SODIUM OLETH SULFATE, MAGNESIUM OLETH SULFATE, SODIUM HYDROXIDE, HYLOCEREUS UNDATUS FRUIT EXTRACT, BENZOIC ACID, PHENOXYETHANOL, DEHYDROACETIC ACID, CI 19140.



Aqua, sodium laureth sulfate, disodium cocoamphodiacetate, polysorbate 80, sodium chloride, PEG-200 hydrogenated glyceryl palmate, parfum, citric acid, PEG-7 glyceryl cocoate, PEG-30 glyceryl cocoate, sodium benzoate, disodium ricinoleamido meo-sulfosuccinate, sodium laureth-8 sulfate, polyquaternium-10, glycerin, magnesium laureth sulfate, magnesium laureth-8 sulfate, sodium oleth sulfate, magnesium oleth sulfate, sodium hydroxide, hylocereus undatus fruit extract, benzoic acid, phenoxyethanol, dehydroacetic acid, CI 19140.



| Όνομασία INCI    | Όνομασία INN | Όνομασία Ph. Eur. | Αριθμός CAS | Αριθμός EINECS/ELINCS | Χημική ονομασία/IUPAC | Περιορισμός | Δράση | L 97/60 |
|------------------|--------------|-------------------|-------------|-----------------------|-----------------------|-------------|-------|---------|
| C8-9 ISOPARAFFIN |              |                   | 246538-71-6 |                       | ισοαλκίνα C8-9        |             |       |         |
| C9-11 ALCOHOLS   |              |                   | 66455-17-2  | 266-367-6             | αλκοόλες C9-11        |             |       |         |

| INCI-Bezeichnung            | INN-Bezeichnung | Ph.-Eur.-Bezeichnung | CAS-Nr.     | EINECS/ELINCS-Nr. | Chemische/IUPAC-Bezeichnung     | Einschränkung | Funktion   | 2006 |
|-----------------------------|-----------------|----------------------|-------------|-------------------|---------------------------------|---------------|------------|------|
| C11-13 ISOPARAFFIN          |                 |                      | 246538-78-3 |                   | Alkane, Iso-, C11-13            |               | Lösemittel |      |
| C11-15 ALKANES/CYCLOALKANES |                 |                      |             |                   | Alkane und Cycloalkane, C11-15  |               |            |      |
| C11-15 PARETH-3             |                 |                      | 173244-48-9 |                   | Alkohole, C11-15, 3-Methyl-1-ol |               |            |      |

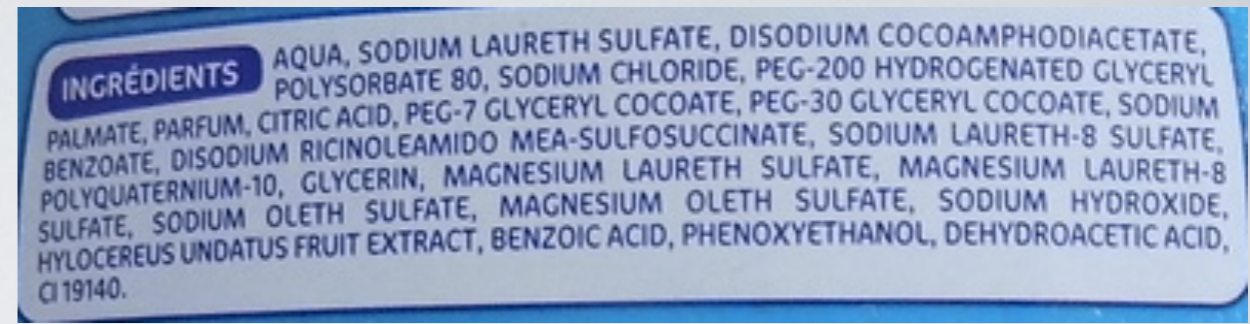
| Nom INCI                    | Dénomination INN | Dénomination Ph. Eur. | Numéro CAS  | Numéro Einesc/Elines | Chemical name/IUPAC               | Restriction | Function |
|-----------------------------|------------------|-----------------------|-------------|----------------------|-----------------------------------|-------------|----------|
| C11-13 ISOPARAFFIN          |                  |                       | 246538-78-3 |                      | Isoalkanes C11-13                 |             |          |
| C11-15 ALKANES/CYCLOALKANES |                  |                       |             |                      | Alkanes and cycloalkanes, C11-15  |             |          |
| C11-15 PARETH-3             |                  |                       | 173244-48-9 |                      | Alcohols in C11-15, 3-methyl-1-ol |             |          |



We get translations in all 27 EU languages, standardized chemical formulas, and we can thus link to Wikipedia articles in all languages, and integrate with Wikidata and other databases







**Liste des ingrédients :** Aqua, sodium laureth sulfate, disodium cocoamphodiacetate, polysorbate 50, sodium chloride, peg-200 hydrogenated glyceryl palmate, parfum, citric acid, peg-7 glyceryl cocoate, peg-30 glyceryl cocoate, sodium benzoate, disodium ricinoleamido meo-sulfosuccinate, sodium laureth-8 sulfate, polyquaternium-10, glycerin, magnesium laureth sulfate, magnesium laureth-8 sulfate, sodium oleth sulfate, magnesium oleth sulfate, sodium hydroxide, hylocereus undatus fruit extract, benzoic acid, phenoxyethanol, dehydroacetic acid, CI 19140.



We're linked to the Worldwide multilingual system of Wikipedia and its structured version: Wikidata

Thanks to this we're also linked to the Food and Drugs Administration, Google, Apple and many others.



# COSMETICS ARCHEOLOGY PROJECT

**What were  
cosmetics from  
5, 10, 20, 50,  
100 years ago  
like?**

# PROJECT : PARABEN DETECTOR

- Parsing the ingredients list
- Displaying “**Contains Paraben**” etc.
- More importantly: **Enabling paraben-free product search**



# CONTACT

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**94100 Saint-Maur des Fossés**



# COSMETICS FACTS AS OPEN DATA

- **Cosmetics is not public data but data of public interest**
- **Open Database Licence (OdbL)**
  - **Free re-use for everyone and for all uses**
  - **Attribution and Share-Alike**
- **Creative Commons CC-BY-SA for product photos**
- **Full database export in CSV, RDF**
- **Linked Open Data (with Wikipedia, FDA...)**
- **JSON API**
- **More info: <http://world.openbeautyfacts.org/data>**