



House Bill 28

Cosmetic Ingredient Disclosure

Representative Gerry Tarr

How are cosmetics regulated?

- Federal Laws
 - Food, Drug, and Cosmetic Act
 - Requires disclosure of some ingredients, but not all
 - Fragrances, flavors, and color additives not required
 - Fair Packaging and Labeling Act

How are personal care products regulated?

- Personal care products
 - Some are regulated as cosmetics
 - Skin moisturizers, perfumes, lipsticks, shampoos
 - Some are regulated as drugs
 - Skin protectants (lip balm, diaper ointment), mouthwashes, antiperspirants
 - Some are regulated as both cosmetics and drugs
 - Some have two intended uses
 - Example: antidandruff shampoo



THE POINT

MUCH REMAINS TO BE DONE

MUCH REMAINS TO BE LEARNED

3 Ways for Exposure

- Absorption
 - Personal Care Products (directly to skin)
- Inhalation
 - Flame Retardants (in dust and burning)
- Eating
 - Pesticides on fruits and vegetables, in milk and meat

What products are of concern?

Toxic chemicals found in personal care products



Top 4 Safe Cosmetics Tips for MEN



1. Avoid or reduce your use of products with added fragrance.
2. If you dye your hair, make sure to avoid coal tar and lead acetate.
3. Avoid sunscreens with octinoxate, oxybenzone and homosalate.
4. Make sure to read labels closely and find safer alternatives.

Chemicals of Concern

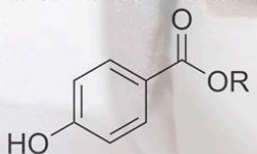
- ▶ SODIUM LAURYL/LAURETH SULFATE (SLS AND SLES)
- ▶ PETROLEUM/PARAFFIN/MINERAL OIL
- ▶ FORMALDEHYDE
- ▶ HYDROQUINONE
- ▶ MERCURY (THIMEROSAL AND MERTHIOLATE)
- ▶ **PARABENS** (ISOBUTYLPARABEN, BUTYLPARABEN, METHYLPARABEN, PROPYLPARABEN)
- ▶ **PHTHALATES** (DBP, DEHP, DEP)
- ▶ SYNTHETIC FRAGRANCE/PARFUM
- ▶ PROPYLENE GLYCOL
- ▶ TRICLOSAN

Chemicals of concern

PARABENS

FOUND IN

Shampoos, conditioners, lotions, facial, shower cleansers & scrubs.



HEALTH CONCERNS

Endocrine disruption, developmental and reproductive toxicity, allergies and immunotoxicity.

WHAT TO LOOK FOR ON THE LABEL

Ethylparaben, butylparaben, methylparaben, propylparaben, other ingredients ending in -paraben.

REGULATIONS

EU: None (Denmark has independently restricted propyl and butyl parabens in children's products)
Japan: None
Canada: None
US: None

The Campaign for Safe Cosmetics

PHTHALATES

FOUND IN

Color cosmetics, fragranced lotions, body washes and hair care products, nail polish and treatment

WHAT TO LOOK FOR ON THE LABEL

phthalate, DEP, DBP, fragrance

HEALTH CONCERNS

Endocrine disruption, developmental and reproductive toxicity, organ system toxicity, bioaccumulation

REGULATIONS

Banned in cosmetics sold in the EU

The Campaign for Safe Cosmetics

Chemicals of concern

TIPS: Ingredients to avoid in FRAGRANCE

Diethyl phthalate
Dibutyl phthalate
Contaminant concerns:
Ethylene Oxide, nitrosamines
Benzophenone
Parabens
Butylated hydroxyanisole (BHA)
Galaxolide
Musk xylene
Musk ketone
Ocinoxate
Tonalide
Styrene

CAMPAIGN
for SAFE
COSMETICS
RED LIST

LEAD & OTHER HEAVY METALS

FOUND IN

Lip products, whitening toothpaste, eyeliner, nail color, foundations, sunscreens, eye shadows, blush, concealer, moisturizers, eye drops

HEALTH CONCERNS

Cancer, developmental and reproductive toxicity, organ system toxicity, allergies and immunotoxicity, bioaccumulation

WHAT TO LOOK FOR ON THE LABEL

Lead acetate, chromium, thimerosal, hydrogenated cotton seed oil, sodium hexametaphosphate.

Note: products that contain contaminant metals will not list them on ingredient labels

REGULATIONS

Banned/found unsafe for use in cosmetics in Canada, Japan and the European Union, restricted in cosmetics in the US

The Campaign for Safe Cosmetics

Health Concerns Due to Exposure to Chemicals

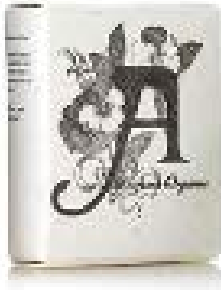
- Cancer
- Reproductive Health disorders
- Developmental toxicity
- Allergies
- Endocrine disruption
- Immunotoxicity
- Neurodevelopmental disorders



What it
looks like
at the
store



1



2



3



4



5



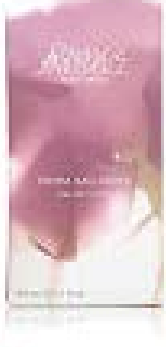
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7



8



Natural



Perfumes

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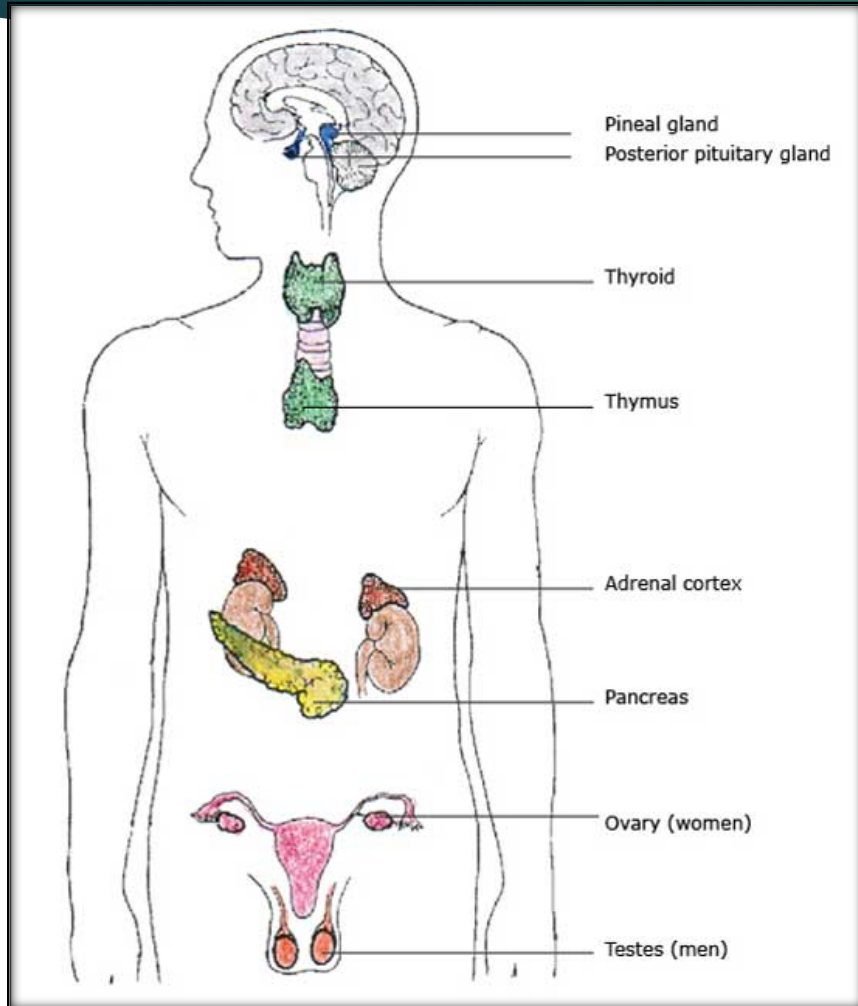
What it
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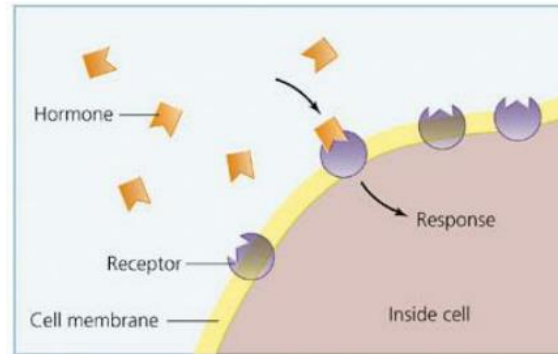
Resources

- Skin Deep Cosmetics Database
 - <https://www.ewg.org/skindeep/#.WtesKojwaUk>
- Campaign for Safe Cosmetics
 - <http://www.safecosmetics.org/>

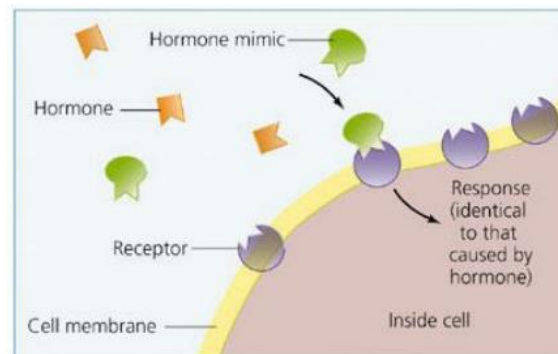
Endocrine System & Endocrine Disruption



Endocrine Disruption



(a) Normal hormone binding

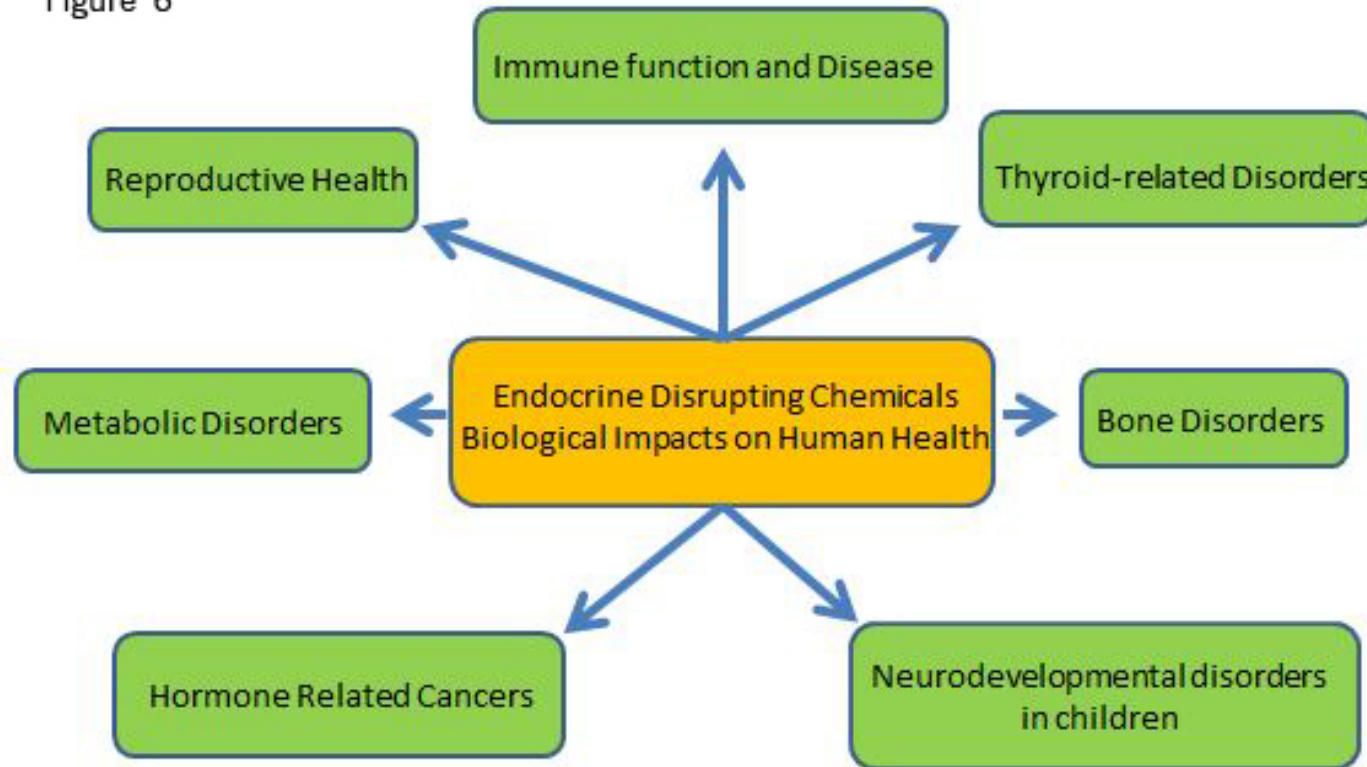


(b) Hormone mimicry

- Some chemicals, once inside the bloodstream, can “mimic” hormones.
- If molecules of the chemical bind to the sites intended for hormone binding, they cause an inappropriate response.
- Thus these chemicals disrupt the *endocrine* system.

Endocrine System & Endocrine Disruption

Figure 6



Source: State of the Science of Endocrine Disrupting Chemicals—2012
Inter-Organization Programme for the Sound Management of Chemicals



Questions?