

# ARE COSMETICS HARMFUL?

BROUGHT TO YOU BY:



**SOURCE SUPPORTED BY:**  
ASSISTANT PROFESSOR DR ASHOK KUMAR  
JANAKIRAMAN  
FACULTY OF PHARMACEUTICAL SCIENCES  
UCSI UNIVERSITY



# COSMETICS



Cosmetics (colloquially known as makeup or make-up) are care substances used to enhance the appearance or odour of the human body.

They are generally mixtures of chemical compounds, some being derived from natural sources, many being synthetic

# COSMETICS

- Cosmetics are personal care items used in our daily lives.
- Most cosmetics are sealed with a constellation of chemicals that are connected closely with health problems.
- Most of the products are untested.



# CLASSIFICATION OF COSMETIC PRODUCTS



## Cosmetics for skin

Skin cream  
Skin bleach cream  
Sunscreen cream  
Antiperspirants and deodorants  
Face powders  
Compact powders  
Rouge  
Lipsticks  
Astringents and skin tonics  
Body powder (talcum powder)  
Face packs  
Bath preparations

## Cosmetics for hair

Shampoos  
Depilatories  
Shaving soaps and creams  
Hair dyes  
Anti dandruff products  
Hair tonics and conditioners  
Hair wave sets, lacquers and rinses  
Hair grooming preparations  
Permanent hair waving preparations and hair straighteners  
Hair bleaches and hair colourants

## Cosmetics for eyes

Eye shadows  
Eyebrow pencils  
Mascara  
Eye liners

## Cosmetics for nails

Cuticle creams, oils and removers  
Nail bleaches and stain removers  
Nail lacquers and removers  
Fingernail elongators

## Cosmetics for teeth

Toothpastes  
Tooth powders  
Mouthwashes  
**Cosmetics used for miscellaneous purposes:** • Alcoholic fragrance solutions  
Cosmetics for babies  
Toilet soaps  
Essences and perfumes  
**Herbal cosmetics**

# ARE COSMETICS HARMFUL?



- Most cosmetic testing on animals are cruel in nature<sup>1</sup>.
- Most cosmetic wastages are not environmentally-friendly.



# BEAUTY OBSESSION – TOXIC INGREDIENTS 2-3



- Highly Toxic ingredients as composition.
- Harmful to aquatic life and other types of wildlife.
- Lack of regulation on ingredients in cosmetic product.
- Threats to our health and environment



# DO COSMETICS CAUSE HEALTH ISSUES?

- Cosmetics cause skin or eye irritations or allergic reactions
- Cosmetics need to go through a pre-market approval process before they are sold in stores
- Regulators do not assess the safety and effectiveness of the claims on the products<sup>4</sup>.



# HOW TO MAKE SAFER CHOICES WITH COSMETICS



Switch to safer, nontoxic alternatives such as organic or natural cosmetics.

Educate ourselves on safe cosmetics.





**Choose Wisely  
For Healthy  
Skin**

# REFERENCES

1. Cosmetics testing FAQ [Internet]. The Humane Society of the United States. [cited 29 February 2020]. Available from: <https://www.humanesociety.org/resources/cosmetics-testing-faq>
2. Zota A, Shamasunder B. The environmental injustice of beauty: framing chemical exposures from beauty products as a health disparities concern. *American Journal of Obstetrics and Gynecology*. 2017;217(4):418.e1-418.e6.
3. Bom S, Jorge J, Ribeiro H, Marto J. A step forward on sustainability in the cosmetics industry: A review. *Journal of Cleaner Production*. 2019;225:270-290.
4. FDA Authority Over Cosmetics: How Cosmetics Are Not FDA-Approved [Internet]. 2018 [cited 29 February 2020]. Available from: <https://www.fda.gov/cosmetics/cosmetics-laws-regulations/fda-authority-over-cosmetics-how-cosmetics-are-not-fda-approved-are-fda-regulated>



Thank You

