



PGC



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CONSCIOUS COSMETIC PRODUCTS :

1. **Natural Ingredients :** Conscious cosmetic products typically use natural and organic ingredients derived from plants and minerals, reducing the risk of harmful chemical exposure to the skin.
2. **Eco-Friendly Packaging :** Many conscious brands prioritize eco-friendly packaging, using recyclable materials and reducing excess waste to minimize their environmental impact.
3. **Cruelty-Free :** Conscious products often do not test their products on animals thus preserving biodiversity.



CONVENTIONAL COSMETIC PRODUCTS

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1. **Synthetic Ingredients :** Conventional cosmetics often contain synthetic chemicals, which may include potentially harmful substances that can affect the health.
 2. **Excessive Packaging :** Many conventional products come with excessive and non-recyclable packaging, contributing to environmental waste and pollution.
 3. **Animal Testing :** Some conventional brands still engage in animal testing to assess product safety which is against the human ethics..



The product we have chosen to examine is Clean & Clear face wash, a commonly used skincare product in our daily routines.

According to our research using the EWG's Skin Deep Database, Clean & Clear face wash has an overall hazardous rating of 7.

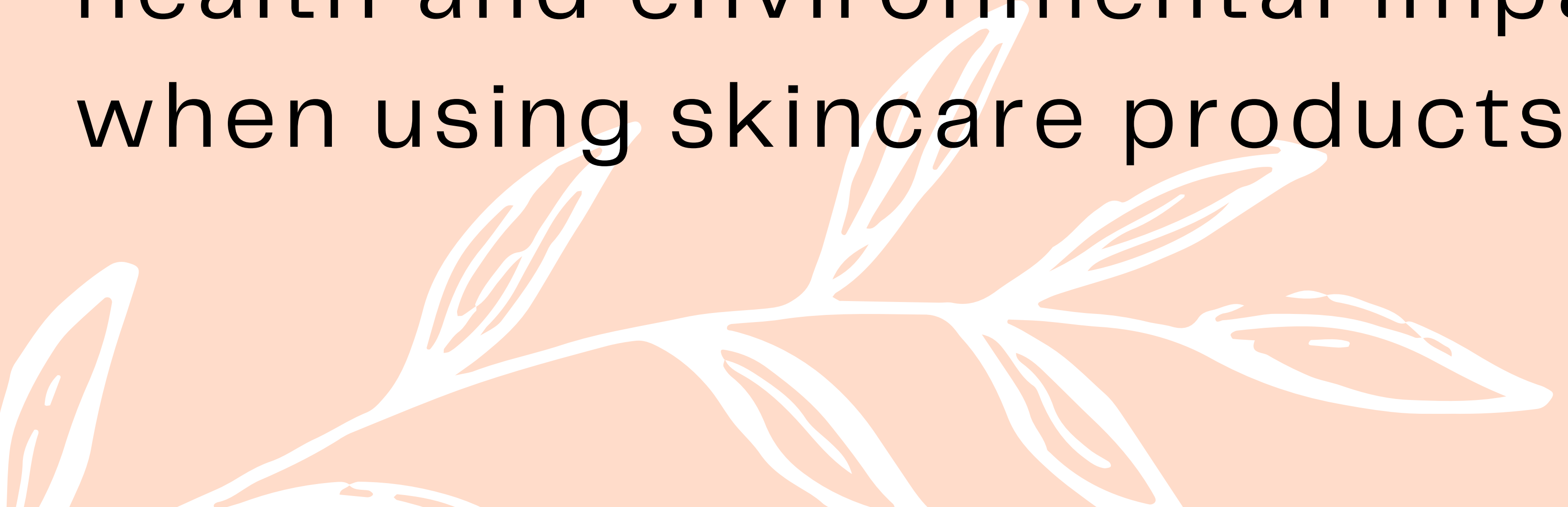
We identified several ingredients in the product that have the potential to be hazardous, with the most concerning ones being:

- 1) Triethanolamine**
- 2) Cocamidopropyl Betaine**
- 3) Butylated Hydroxytoluene**
- 4) Benzophenone-4**

The health impacts associated with Clean & Clear face wash include the possibility of allergic reactions due to the presence of certain chemicals. Notably, Butylated Hydroxytoluene is considered potentially carcinogenic, raising concerns about long-term exposure.

Additionally, the product has been associated with environmental degradation, possibly due to the presence of certain chemicals that can have adverse effects on aquatic ecosystems and water quality.

It's essential for consumers to be aware of these potential health and environmental impacts and make informed choices when using skincare products like Clean & Clear face wash.



Product Name and Brand:

- Conscious Option: Herbcience Face Wash - Revitalizing Pro-Collagen

Ingredient List (for Herbcience Face Wash):

- Symplocos racemosa (Lodhra) 5.0
- Cymbopogon citratus (Lemongrass) 3.0
- Vetivera zizanoides (Usheera) 2.0
- Tephrosia purpurea (Sharpunkha) 1.0
- Curcuma aromatica (Turmeric) 1.0
- Rubia cordifolia (Manjista) 5.0
- Aloe barbadensis (Aloe Vera) 5.0
- Orange peel 1.0
- Azadirachta indica (Neem) 0.1
- Basil Oil
- Lauryl Glucoside (Coconut derivative)
- Coco Glucoside (Coconut derivative)
- Sodium Gluconate (Glucose-based)
- Xanthan Gum (Plant-derived)
- Caprylyl/ Capric Glucoside (Coconut derivative)
- Citric Acid (Citrus)
- Benzoic Acid (Plant-derived)
- Orange Oil

Cost Comparison:

- Conventional Product Cost: 116 Indian Rupees per 100 ml
- Conscious Product Cost: 250 Indian Rupees per 100 ml

Benefits of the Conscious Product:

- The conscious product, Herbcience Face Wash – Revitalizing Pro-Collagen, prioritizes the health and well-being of individuals by using natural and safe ingredients.
- It supports environmental sustainability by reducing ecological footprints and using eco-friendly ingredients.

Switching Decision:

- We have decided to make the switch to the conscious product because it has a lower impact on human health and the environment compared to the conventional product.
- However, we suggest that companies producing conscious products should work on making them more affordable to ensure accessibility for people from all backgrounds.

Ingredient concerns	
Ingredient/Score	Concern
WATER	
1 Data: Robust	
TRIETHANOLAMINE	<ul style="list-style-type: none"> Allergies/immunotoxicity (moderate) Use restrictions (high)
6 Data: Good	<ul style="list-style-type: none"> Non-reproductive organ system toxicity (moderate) Contamination concerns (NITROSAMINES)
GLYCERIN	<ul style="list-style-type: none"> Use restrictions (moderate)
2 Data: Good	
MYRISTIC ACID	<ul style="list-style-type: none"> Multiple, additive exposure sources (low)
1 Data: Fair	
LAURIC ACID	<ul style="list-style-type: none"> Multiple, additive exposure sources (low)
1 Data: Fair	
COCAMIDOPROPYL	<ul style="list-style-type: none"> Allergies/immunotoxicity (moderate)

COCAMIDOPROPYL BETAINE	<ul style="list-style-type: none"> Allergies/immunotoxicity (moderate) Use restrictions (high) Contamination concerns (COCAMIDOPROPYL DIMETHYLAMINE, 3-DIMETHYLAMINOPROPYLAMINE, and NITROSAMINES)
5 Data: Good	
LAURYL PHOSPHATE	<ul style="list-style-type: none"> Use restrictions (low)
1 Data: Limited	
HYDROXYPROPYL METHYLCELLULOSE	<ul style="list-style-type: none"> Endocrine disruption (moderate) Non-reproductive organ system toxicity (moderate) Ecotoxicology (low) Irritation (skin, eyes, or lungs) (moderate) Non-reproductive organ system toxicity (moderate)
1 Data: Fair	
PENTASODIUM TRIPHOSPHATE	<ul style="list-style-type: none"> Use restrictions (low)
1 Data: Fair	

PENTASODIUM TRIPHOSPHATE	<ul style="list-style-type: none"> Use restrictions (low)
1 Data: Fair	
O-CYMEN-5-OL	<ul style="list-style-type: none"> Use restrictions (moderate)
2 Data: Limited	
SULISOBENZONE	<ul style="list-style-type: none"> Allergies/immunotoxicity (moderate) Enhanced skin absorption Endocrine disruption (low) Non-reproductive organ system toxicity (low) Irritation (skin, eyes, or lungs) (moderate)
3 Data: Fair	
BHT	<ul style="list-style-type: none"> Cancer (moderate) Developmental/reproductive toxicity (low) Allergies/immunotoxicity (high) Endocrine disruption (low) Non-reproductive organ system toxicity (moderate) Irritation (skin, eyes, or lungs) (moderate)
5 Data: Fair	

The following report does not include any information about "Isopropyl Methylphenol". Those ingredients were not matched in Skin Deep's database and therefore are not included in the evaluation.

Score:

7

Data: **Fair**

- MODERATE Cancer
- HIGH Allergies & Immunotoxicity
- LOW Developmental and Reproductive Toxicity

Other Concerns: Contamination concerns, Irritation (skin, eyes, or lungs), Miscellaneous, and Use restrictions

Other MODERATE concerns: Endocrine disruption, Multiple, additive exposure sources, and Organ system toxicity (non-reproductive)

Other LOW concerns: Enhanced skin absorption, and Immunotoxicity

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