



EMMA  
LEWISHAM  
uncompromising skincare.

## 2021 /2022 Sustainability Strategy



# Emma Lewisham's uncompromising commitment to a circular beauty industry

Emma Lewisham's single purpose is to make a meaningful difference in the beauty industry. We are here for a reason. We want to transform the industry to one that honours people's health, is transparent, circular, restorative and reparative. Our vision is for a healthy planet, empowered people and an industry that puts these things first.

I wanted to make luxurious, high performing products that didn't come at a compromise. Success to me, is measured by the positive difference we can make to people and the planet.

I have a real drive and passion to build a brand that makes a meaningful difference to people's lives.

The beauty industry has become notorious as a huge contributor to significant environmental and social issues globally. From disrupting ecosystems and depleting non-renewable natural resources, to excessive water consumption and pollution, to greenhouse gas emissions, to the billions of units of packaging sent to landfill each year.

The packaging impact of the cosmetics industry is staggering. More than 120 billion units of packaging are produced every year by the global cosmetics industry - the majority are not recycled.<sup>1</sup> Globally, of 8.3 billion metric tons of plastic has been produced of which only nine percent has been recycled. If this level of consumption and disposal continues, by 2050 there will be 12 billion tonnes of plastic in landfills, the equivalent to 35,000 Empire State Buildings.<sup>2</sup>

The UN has declared our current situation to be a 'planetary crisis'. The current model of beauty is broken. It's an unsustainable model for our planet and as an industry we need to change the way we operate, and fast.

We are committed to being a brand that:

- ✿ Inspires and gives you hope that there is a better way. We're part of a wave of new skincare that is turning the tide on murky, unsustainable, inefficient supply chains.
- ✿ Produce 'luxury,' 'sustainable,' and 'natural' products that don't have to require a contradiction or compromise.
- ✿ Considers people and the planet for every decision we make in our business.
- ✿ Be transparent, honest and open - even when there are areas we need to improve on. We will take ownership for what we are bringing into the world.

This sustainability strategy provides you with transparency on what Emma Lewisham is doing to address the six drivers of our supply chain: raw materials, supplier, manufacturing, distribution, retail outlets and customers.

We have set ourselves goals and targets to achieve over the next two years, and we have aligned these goals with the [United Nations Sustainable Development Goals](#) (see next page).

You'll also see we've split our goals into the three elements of the triple bottom line. This balances 'Planet,' 'People' and 'Prosperity', recognising that companies can and should be creating value across all of these.

I decided to be the change I wanted to see in the beauty industry, and I want our legacy as a brand to be about the positive impact we had on people and the planet.

*Emma Lewisham*

1. <https://zerowasteurope.eu/zwlibrary/reports/>

2. <https://www.nationalgeographic.com/news/2017/07/plastic-produced-recycling-waste-ocean-trash-debris-environment/>

# We're aligned with the United Nations Sustainable Development Goals

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“The Sustainable Development Goals (SDGs) adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future.”

The massive issues we are facing as a planet require significant changes from governments, communities, and businesses. The SDGs provide a shared blueprint that helps guide decision making and action across all of these sectors of our societies. At Emma Lewisham we want to be part of this movement and do all we can to contribute to the achievement of the goals.

Upon researching the SDGs we evaluated our business operations, our purpose, values and mission, and decided there were 15 goals we could best contribute to, while also ensuring we don't negatively impact any others. These Goals are shown throughout this strategy as they relate.

For more information on the SDG's see [their website](#).



# Goals for OUR PLANET

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## One.

Achieve 100% ingredient traceability and become Union for Ethical BioTrade (UEBT) certified

## Two.

All Emma Lewisham products made with a minimum of 60% certified organic ingredients

## Three.

Achieve 100% RSPO certification for all palm extracts used

## Four.

100% circular global beauty brand.

## Five.

Achieve carbon negative certification

## Six.

Responsible water usage

## Seven.

No animal testing

## Eight.

Ocean & reef safe sunscreen

**One.**  
Achieve 100%  
ingredient  
traceability and  
become Union for  
Ethical BioTrade  
(UEBT) certified



Meets these United Nations  
Sustainable Development Goals

## Background

Ingredients, and the production of them, plays a significant role in the environmental and health impacts the skincare industry has.

We take responsibility for understanding where every ingredient we source comes from and ensuring it has an ethical and sustainable supply chain.

We source our ingredients by working with NZ ingredient importers as well as directly with international laboratories and farms.

We have full traceability across our supply chain - what we call Farm To Face - meaning we can trace the supply chain right back to the farms where the ingredients were produced.

When selecting an ingredient for our formulas, we don't just select it for its wealth of skin benefits, we review the following:

- Animal welfare - ensuring individual ingredients are not tested on animals (it's not enough for us to say we don't test our products on animals)
- Environmental management - preservation and promotion of biodiversity, meaning we are not putting too much demand on an ecosystem
- Organically certified
- Responsible water use - whether our suppliers have water management plans
- Fair working conditions

It's a never-ending search for suppliers that meet the very best standards. It is an enormous task, but one we believe we need to take ownership for. We will be working towards achieving the UEBT (Union for Ethical BioTrade) certification - which aligns with the above criteria. This is a globally recognised standard for the ethical sourcing of natural ingredients - it specifically monitors a company's supply chains back to their origin for all-natural ingredients. UEBT standards include the conservation of biodiversity, the sustainable use of biodiversity, and the fair compensation of all partners in the supply chain.

### Organic certification

Organic oils can be hard to source, they are often procured from small growers producing limited quantities, for whom official certification is prohibitive.

While all of our ingredients are naturally derived or identical, we are still working towards increasing our number of ingredients that are certified organic. Some ingredients are not available to source in an organic form and others are not possible to source due to quantity or quality available.

We disclose what ingredients are organic on our packaging and our website to ensure transparency.

### Supplier standards

A challenge is to ensure that each year our suppliers continue to meet our supplier standards. It takes an enormous amount of time to review this, so as we continue to grow, we will invest more in our team to work directly with our suppliers.

### Cost of certification

The UEBT certification is a costly undertaking for smaller brands. This is something we are willing to invest in as a company, to ensure our ingredients are responsibly sourced and kind to people and the planet.

## Our Targets

All of our ingredients are 100% traceable back to the farm by October 2020.

### ✓ Achieved

Become certified in our sourcing processes by the UEBT by the end of 2021.

All ingredients have robust and recognised certifications behind them relating to ethical sourcing, organic/natural standards, production processes, animal welfare and fair trade by 2021.

## Background

Your skin is the largest living, breathing organ on your body. Up to 70% of what you apply on your skin gets absorbed into your bloodstream, which then gets circulated around your whole body.

Certified organic products are derived from plants and other naturally occurring ingredients. More importantly, those organic ingredients are grown without the use of pesticides, herbicides, synthetic fertilisers, genetically modified organisms (GMOs), and other additives or chemicals. With that, you can be sure your skin and body absorb only real, natural ingredients that aren't harmful.

Because organic products use naturally grown ingredients that are free from toxic pesticides and fertilisers, they also don't leave a harmful footprint on the planet, particularly the soil, water, and air.

Organic farming is also better for wildlife, causes lower pollution from pesticide and fertiliser sprays, and produces less carbon dioxide and less dangerous wastes.

### Our current certified organic percentages per product:

- Skin Reset: 68% of active ingredients from organic farming
- Skin Shield Daily Face SPF 30: 87.% of active ingredients from organic farming
- Skin Shield SPF 30: 68% of active ingredients from organic farming
- Supernatural 72 Hour Hydration Crème: 47% of active ingredients from organic farming
- Supernatural Vitamin A Face Oil: 30% of active ingredients from organic farming
- Illuminating Exfoliant: 70% of ingredients are organic
- Illuminating Oil Cleanser: 49% of ingredients are organic

Certified organic oils can be hard to source, they are often procured from small growers producing limited quantities for whom official certification is prohibitive.

Our skincare uses natural fragrances from France with ingredients that are COSMOS NATURAL certified<sup>1</sup>

It is difficult to find functional ingredients like natural waxes and emulsifiers that are certified organic. With there being growth in demand for organic ingredients, we believe more farmers will decide to employ organic farming philosophies. We want to ensure we are always looking at and reviewing suppliers, to enable us to swap out non-organic ingredients to organic alternatives as soon as available.

## 2021 targets

All Emma Lewisham products made with a minimum of 60% certified organic ingredients in 2021.

To find a supplier of certified organic alternatives Bakuchiol, Plant Stem Cells, Squalene.

As of January 2020, other ingredients used in our products are currently not available in an organic form, or we can't get the quantity or quality we require.

**Two.**  
All Emma  
Lewisham  
products made  
with a minimum  
of 60% certified  
organic ingredients



Meets these United Nations  
Sustainable Development Goals

<sup>1</sup> <https://www.cosmos-standard.org/>

## Three.

### Achieve 100% RSPO\* certification for all palm extracts used

\* Roundtable on Sustainable Palm Oil

## Background

Palm oil is a highly controversial ingredient that splits opinion as many conservation practitioners, scientists, and consumers consider it one of the most significant threats to tropical biodiversity.<sup>1</sup> Many others, especially palm oil producers, governments, and communities that grow the crop, rely upon palm for its high yields and financial returns. Consequently, there are different viewpoints about the interaction between sustainable land use and oil palm cultivation.

The fact remains that it is consumed daily by billions of people around the world and is the most widely consumed vegetable oil. Palm oil is used in many foods from margarine, chocolate, cookies and confectionery to bread, instant noodles and much more. It is also used in cosmetic products like shampoo, soap and lipstick as well as in some cleaning products.

However, as detailed in an IUCN report\* it drives the destruction of south-east Asia's tropical rainforests, severely impacting the habitats of various species and is often associated with unfair work practices and child labour.

### We do not use Palm Oil in any Emma Lewisham products.

However, we believe it is important to be open and transparent about palm extracts, as Palm Oil is a relatively common feedstock used in the manufacture of a variety of materials that are used as cosmetic ingredients. Of our total ingredients, 4% are palm extracts and less than 2% are not Certified Sustainable Palm Oil (CSPO) by The Roundtable on Sustainable Palm oil (RSPO).

RSPO is the leading certification body. They have developed a set of environmental and social criteria which companies must comply with in order to produce CSPO.

Where possible, we use palm oil derivatives that are RSPO supply chain certified. These include materials like Cetearyl alcohol, Cetyl alcohol, Glyceryl stearate, Glycerin, Capric/Caprylic triglyceride.

However, a very small number of specialty ingredients we use such as Cetearyl olivate and Sorbitan olivate are not currently available as RSPO supply chain certified.

### Traceability

Derivatives of Palm Oil such as are used in cosmetics can be certified by RSPO subject to supply chain requirements. In some places, Palm Oil is obtained from large plantations that are managed by corporates and extracted and sold by them.

In other regions, it is produced by small family groups and combined with other producers for on-going sale and processing. This precludes traceability from the end product back to an individual farm.

Palm Oil is the lowest cost and highest yielding vegetable oil on earth, meaning it requires less land to produce than any other.

The alternatives to palm extracts like soy, corn and rapeseed may likely lead to even more biodiversity losses and problems rather than provide a solution. Banning Palm Oil would most likely increase the production of other oil crops to meet the demand for oil, displacing rather than halting the significant global biodiversity losses caused by Palm Oil.

There isn't a simple alternative or answer on this issue. From our research and advice, we believe certified palm extract wins in favour of the alternative and our goal is to ensure any palm extracts we use are RSPO certified.

## 2022 target

100% of palm extracts are RSPO certified by 2022



Meets these United Nations Sustainable Development Goals

1. International Union for the Conservation of Nature report

## Four. 100% circular designed global beauty brand

## Background

At the heart of the beauty waste problem is the linear 'take-make-dispose' model of consumption, which means products get manufactured, bought, used, and then thrown away. This is an unsustainable and broken model that we as an industry must change, and fast.

According to market research firm Euromonitor, in 2008 the beauty industry accounted for around 120.8 billion units of packaging, and the Zero Waste Week initiative reports that cardboard packaging around perfumes, serums and moisturisers contributes to the global loss of 18 million acres of forest each year.<sup>1</sup>

Of the 120.8 billion, very few are accepted by most public kerbside recycling programmes and are considered "non-recyclable" in the general sense. This is because beauty product packaging is often made up of a variety of material types making it unviable to recycle. Global recycling rates of plastic is estimated to be just 9%.<sup>2</sup>

Emma Lewisham's mission is transform the beauty industry from a linear to a circular model. This means shifting towards a design for continual use and reuse, with 100% of our packaging to be refillable, recyclable, or compostable.

In 2020 we launched the Emma Lewisham Beauty Circle Recycling Programme. A free, incentivised product stewardship programme to ensure we kept our packaging in circulation. This accepts not only our packaging waste but that of other beauty brands.

We also launched the Emma Lewisham Beauty Circle Refill Programme for Australia and New Zealand, which is the ultimate solution in keeping packaging in circularity.

As well as designing for circularity we have a responsibility to purchase recycled materials to support the 'closing of the loop'. Emma Lewisham has already stopped the creation of 30,000 new plastic tubes by producing a tube from 100% post-consumer recycled (PCR) plastic.

Emma Lewisham's shipping box is made of 100% recycled paper, making us the first New Zealand based beauty brand to have this.

Our secondary packaging (paper, cardboard and tissue) is not laminated or foiled with plastic and is printed using mineral oil-free vegetable and water-based inks and coatings on FSC<sup>3</sup>, or PEFC<sup>4</sup> certified mixed-source pulp. It is 100% recyclable and includes a compostable seal and paper tape which is normally plastic lined by most brands.

Through our supplier Noissue, Emma Lewisham is a member of the Eco Packaging Alliance. Whenever we purchase from them, trees are planted in an area of need. You can read more about it [here](#).

Plastic tubes in the beauty industry are not currently refillable due to practicality issues. Once they are used, they can only be kept in circulation through the Emma Lewisham Beauty Circle or other Terracycle programmes globally. Normal kerbside recycling does not accept this material. This is a major obstacle we have found as we have begun to operate.

Refillable packaging options globally are limited, highly expensive and the ones available have design flaws making them undesirable and something very few customers take up.

## 2021 target

Phase out plastic tubes for refillable options by July 2021.

All Emma Lewisham products to be 100% refillable and for this to be an option open to all of our customers globally.

To put processes in place to take back all Emma Lewisham products once finished.



Meets these United Nations Sustainable Development Goals

1. <https://uk.lush.com/article/cut-wrap-how-makeup-packaging-ruining-face-planet-o>  
2. <https://www.economist.com/graphic-detail/2018/03/06/only-9-of-the-worlds-plastic-is-recycled>  
3. Forestry Stewardship Council  
4. Programme for the Endorsement of Forest Certification



## Five. Achieve product carbon negative certification

### Background

The warming of the Earth in the last fifty years is attributable to human-emitted greenhouse gases (GHGs) such as carbon dioxide (CO<sub>2</sub>). The effects of climate change will, in most parts of the world, lead to significant risks as the temperature rises further. Some regions on Earth will suffer from extreme precipitation, others will undergo droughts and desertification. The melting of the entire Arctic is thought to be possible. Because of this, a sea level rise of 45 to 82 centimeters is predicted.<sup>1</sup>

Our challenge is to get our products to our customers efficiently and cost-effectively and do that in a way that minimises waste, reduces packaging, and cuts emissions of CO<sub>2</sub>.

While we're proud to manufacture our skincare products and box packaging in New Zealand, we do source oils offshore, our bottles come from China, and we also deliver to customers in overseas markets. We therefore transfer materials and products over great distances, which produces greenhouse gas emissions. Some of our ingredients are only available from overseas, such as our natural fragrance that is derived from botanicals, which comes from France.

Commencing in June 2020, we began the process of measuring our carbon footprint as a business, right down to every product we produce. Once we understand this, we will be working to reduce our emissions in every way we can - before we offset the rest to become carbon negative.<sup>2</sup>

### 2021 target

We have already engaged an independent organisation on sustainability and their carbon experts are helping to establish our baseline carbon footprint and how we can create efficiencies across our business to improve this.

We want to be certified carbon negative for all of our products by July 2021.



Meets these United Nations  
Sustainable Development Goals

1. <https://climate.nasa.gov/news/242/isantarctica-melting/>

2. Carbon negative is also referred to as "carbon positive", or "climate positive". They all mean the same thing - that we offset more GHGs than we emit.

## Background

Water is the beauty industry's most used ingredient and there are concerns that demand for water could outstrip supply, and there is a scarcity issue around water globally. Thanks to climate change, pollution and increased demand, the availability of clean and drinkable water is in decline.<sup>1</sup>

By 2025, an estimated 1.8 billion people will live in areas plagued by water scarcity, with two-thirds of the world's population living in water-stressed regions as a result of water use, population growth, and climate change.<sup>2</sup>

The use of water in crèmes and serums is inevitable. It acts as an emulsifier (to create that luscious, creamy texture) or solvent (to extract other water-soluble compounds in the formula).

One of our ingredient sourcing criteria is around the responsible use of water and this is something we look into with the farms that we source ingredients from. Unfortunately, this is not the norm within the industry. What we can do, is use more ingredients from farms we know respect water use and have water management plans. There is always a balance in this though, as at times there are functional ingredients that can't be replaced.

Our laboratory currently doesn't re-use recycled water in our manufacturing. We are seeking to understand how they will adjust their manufacturing practices to ensure responsible water usage. The water used within our manufacturing and to clean the laboratory, is treated, before being discharged.

We do not use water as a filler in our products (it is only used in our products where its functionally it is needed), instead using organic Aloe Vera where possible – a moisture rich alternative.

The moisture-rich ingredients are more expensive than water. We as a company are prepared to take on this cost.

## 2021 target

In 2021 we are working to understand our water usage across our full supply chain, to understand our water consumption per kilogram of our manufactured product and to set a goal of reducing this.

We are working to understand which ingredients are most water-intensive and in 2022 will work to swap them out for ingredients that are less water intensive. We will share our progress and decisions made.

## Six. Responsible water usage



Meets these United Nations  
Sustainable Development Goals

1. <https://www.bbc.com/future/article/20170412-is-the-world-running-out-of-fresh-water>
2. <https://www.nationalgeographic.com/environment/freshwater/freshwater-crisis/#close>

## Seven. No animal testing

## Background

We are concerned by the continued testing of skincare and cosmetic products on animals.

Animal testing is completely unnecessary in cosmetics, yet 80% of countries have no ban.<sup>1</sup> This issue is still so relevant in 2020 and what gives us hope is the momentum coming from customers who want to shop with brands who tackle these issues and fight to create change.

Emma Lewisham will adhere to the highest standards of animal welfare and will hold our partners accountable to the same standards. Emma Lewisham has never tested on animals at any stage of product development and never will. We also do not contract with any third parties to conduct animal testing on our behalf.

It is not enough to not test our products on animals. We've taken this further by reviewing every ingredient we source to ensure it is not tested on animals - so we are honest in our statement of having no animal testing whatsoever. If we cannot get this certainty, we will not use the ingredient in our product, even if it is the most luxurious and high performing ingredient.

We will also not enter into markets, even if there are significant growth opportunities, that require us to do animal testing. Markets such as China are a big opportunity to us, but we're not willing to sell our products here because we won't accept animal testing on our products.

All of our products are vegan, apart from our SPF products which have a very small amount of beeswax. We use this because we believe beeswax is better and safer than synthetic alternatives, like petrolatum.

Our bees are not killed or harmed for the (small amount of) wax that we use in our products, nor are they being harmed in any way whatsoever. When honey boxes are taken off the hives, the wax is cut open and the honey is extracted. The wax that is cut off and we use in our formulations - called cappings wax - is technically a waste product of honey extracting. If it wasn't used, it would just be dumped.

The honey boxes are added and removed through the season, but the bees' home where they live is untouched. Therefore, it is a sustainable practice that is not cruel to the bees as a waste product is being used.

The beeswax we use is from New Zealand where the bees are away from city pollution, pesticides, insecticides, herbicide or fungicides.

## 2022 target

To achieve 100% ingredient transparency and assurances that all ingredients are not tested on animals. If the supplier will not give us this assurance, we will remove the ingredient within our next batch run (within 3 months) by October 2020.

✓ Achieved

To achieve certifications and transparency on the treatment of bees in which we source our beeswax from October 2020.

✓ Achieved

Achieve 100% ingredient traceability and become Union for Ethical BioTrade (UEBT) certified - which will validate all of our ingredients being not tested on animals.



Meets these United Nations  
Sustainable Development Goals

1. <https://www.europarl.europa.eu/news/en/press-room/20180426IPR02613/testing-cosmetics-on-animals-meps-call-for-worldwide-ban>

## Eight. Ocean & reef safe sunscreen

### Background

The ecosystems of oceans and reefs are vitally important for life on earth and the health of our planet. They protect the global environment by acting as carbon sinks, absorbing and storing the atmosphere's carbon that would otherwise contribute to global warming. They help to regulate our climate.

Sun protection is a vital protective step in your daily skincare routine - a sunscreen helps to minimise the effects of harmful UV rays, which cause sunburn and premature skin ageing. However, an increasing environmental issue we're seeing is the adverse effects of chemical sunscreens that seep into the ocean and are ingested by corals.

Chemical-based sunscreens (with actives such as oxybenzone and octinoxate) have been shown to cause genetic damage to coral and other marine organisms. One study<sup>1</sup> found oxybenzone had a toxic effect on coral at a concentration equivalent to one drop in six-and-a-half Olympic-sized swimming pools.

These chemicals disrupt coral's reproduction and growth cycles, causing DNA damage ultimately leading to coral bleaching and death. It has led to the emergence of so-called "zombie corals", which have no reproductive ability.

Emma Lewisham's SPF products are all 100% naturally derived and use a zinc oxide active which do not harm marine life.

We are not aware of any globally recognised certification for reef safe sunscreen.

Our sunscreen does not contain oxybenzone or octinoxate. Both of which have been banned in Hawaii<sup>2</sup> and Palau<sup>3</sup>

### 2021 target

All Emma sunscreens, are independently certified as ocean-friendly and reef safe.



Meets these United Nations  
Sustainable Development Goals

1. <https://link.springer.com/article/10.1007/s00244-015-0227-7>  
2. <https://edition.cnn.com/2018/07/03/health/hawaii-sunscreen-ban/index.html>  
3. <https://www.bbc.com/news/scienceenvironment-46046064>

# Goals for OUR PEOPLE & COMMUNITIES

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**Nine.**

Be certified 100%  
clean by the  
Environmental  
Working Group  
(EWG)

**Ten.**

Be a voice for  
changing NZ  
beauty regulations/  
standards for  
natural and  
sustainable beauty

**Eleven.**

Fair treatment  
of all people

**Twelve.**

Safe SPF  
products

**Thirteen.**

100% made in  
New Zealand

**Nine.**  
**Be certified 100%  
clean by the  
Environmental  
Working Group  
(EWG)**

## Background

We set out to prove that you can produce natural skincare that is as luxury and high performing as anything in the world. We also believe in making a meaningful difference and paving a more sustainable path forward for the industry.

Our products are formulated following the strict guidelines outlined by the Environmental Working Group's (EWG) Skin Deep Database, which ranks ingredients by how hazardous or potentially harmful they are. The Environmental Working Group (EWG) is a non-profit organisation that is dedicated to protecting human health and the environment.

Emma Lewisham does not use 2,700 ingredients that are deemed to be deleterious or potentially harmful or irritating to the skin. We follow the Precautionary Principle - if in doubt, it's left out.

All of our ingredients meet the EWG standard as this is something we look at during the process of developing our products, but in order to be EWG certified brands must disclose every component of their fragrance. The perfume house we work with in France is not willing to provide us with all the components of our fragrance to disclose to the EWG, out of fear that the fragrances are then easy to copy.

As of 1 January 2021, this has been a major hurdle for us, and something we are trying to overcome with the perfumery. We feel it's important you understand some of the challenges we face in our endeavours to set a new standard in beauty.

## 2022 target

Be certified 100% clean by the Environmental Working Group (EWG)



Meets these United Nations  
Sustainable Development Goals

# Ten.

Be a voice for  
changing NZ beauty  
regulations/  
standards for natural  
and sustainable  
beauty

## Background

Your skin is the largest living, breathing organ on your body. Up to 70% of what you apply on your skin gets absorbed into your bloodstream, which then gets circulated around your whole body.

Cosmetics law reform should be a priority given, on average, women use 12 personal care products a day, exposing themselves to 168 chemical ingredients.<sup>1</sup>

In New Zealand, there is no bespoke scheme regulating cosmetics. New Zealand takes a reactive (rather than a proactive) regulatory approach.

Emma Lewisham believes that there needs to be changes to the banned ingredients list in New Zealand. The list is outdated and is behind other markets like Europe, Australia and Japan.

In New Zealand, The Group Standard currently bans 1,372 ingredients. This list of banned ingredients is based on the EU's model. The EU currently bans 1,644 ingredients, meaning there are some 272 banned ingredients in the EU which are not banned in New Zealand. One of these is hydroquinone which Emma was told to stop using while pregnant and has credible research to confirm its impact on human health.

Emma Lewisham believes in making a meaningful difference to people, and championing what is right. We will be putting a strong case forward to the EPA on updating the banned ingredients list.

## 2022 target

Submit an open letter to the Environmental Protection Agency (EPA), asking that the list of banned ingredients be updated and pointing to specific ingredients that should be added where there are good grounds to do so.

✓ **Achieved**

Bring about change to NZ beauty regulations banned ingredient list.



Meets these United Nations  
Sustainable Development Goals

<sup>1</sup> <https://www.ewg.org/Personal-Care-Products-Safety-Act-Would-Improve-Cosmetics-Safety>

## Eleven. Fair treatment of all people

## Background

Numerous commodities used in mainstream cosmetics are linked to environmental, social, and governance (ESG) risks across every continent.<sup>1</sup> For example, up to 20,000 children are estimated to work in mica mines in two states of India, Jharkhand and Bihar – around 90% of which are illegal.<sup>2</sup>

We work with New Zealand ingredient wholesalers, as well as directly with farmers and international innovative laboratories that are at the forefront of natural skincare ingredients.

Our main supply points are:

- Europe (Switzerland being our main source)
- Australia
- Southern Africa

We believe in a supply chain that is kind to people and the planet. By this we mean:

- Provide ingredients with the highest of potency and efficacy, which is achieved through sustainable farming techniques and extraction methods
- We take ownership for reviewing each ingredient ourselves and reviewing the documentation of each ingredient – it's a significant vetting process and one that we continue to work through
- Our suppliers know that we may forego an ingredient which has the highest of efficacy but does not have the ethics to back it up
- We work with our suppliers to find ingredients that meet all of our sourcing criteria
- We have 100% traceability across our supply chain from farm to finished product
- Have ethical working conditions and fair treatment of their staff and other stakeholders

If there is any reasonable doubt that arises regarding a supplier's commitment to people and the planet, these ingredients will be removed within 3 months of us being aware of this.

Many of the supply chains in the cosmetics industry are long and deliberately hard to race. It's a never-ending search for suppliers that meet our standards.

Not all suppliers have certifications to back up that they meet our responsible sourcing criteria. This is generally the case when they are small farms and do not have the financial resources to invest in the certification process. We will use our discretion in these cases and refer to other forms of information such as testimonials, independent reviews of their processes and operations, or discussions with their staff and other such signs, to ensure there is fair treatment of people and the planet.

## 2022 target

To achieve 100% ingredient transparency, and assurances that all people within the supply chain are being ethically and fairly treated. If the supplier will not give us this assurance, we will remove the ingredient by 2022

✓ Achieved



Meets these United Nations  
Sustainable Development Goals

1. <https://www.maplecroft.com/insights/analysis/supply-chain-risks-blemish-cosmetic-reputations/>

2. <https://www.theguardian.com/sustainable-business/2016/jul/28/cosmetics-companies-mica-child-labour-beauty-industry-india>



## Twelve. Safe SPF\* products

\* Sun protection factor

## Why is this important?

By “safe” SPF we mean with no adverse health effects.

Zinc oxide is an ingredient used in many natural sunscreens (also called mineral sunscreens) because it provides a physical layer on your skin that deflects UV rays and protects it from damage.

In contrast, chemical sunscreens (which have active ingredients such as avobenzone, oxybenzone, octisalate, octocrylene, homosalate, or octinoxate) absorb into the skin. Many chemical sunscreens are potentially harmful to your health, and have been linked to skin irritation, hormone disruption or other adverse health effects.<sup>1</sup>

Years ago, mineral sunscreens were very white and chalky – and therefore less appealing for people to want to use everyday. To create sunscreens that are both usable and effective, manufacturers often use nano sized versions of these minerals (measured in nanometers (nm), or billionths of a metre) to increase clarity and SPF.

The use of nano-zinc oxide is sometimes controversial in beauty products as some believe nano particles can penetrate the skin and get into the bloodstream.

Our position on nano-zinc is based on advice from a global international authority on sun protection and the Environmental Working Group’s (EWG) recommendations and research.

- Sunscreens made with the minerals zinc oxide and titanium dioxide score well in the EWG’s ratings, because they provide strong sun protection with few health concerns and don’t break down in the sun.
- While a number of companies sell products advertised as containing non-nano titanium dioxide and zinc oxide, these claims are generally misleading. Although zinc oxide and titanium dioxide particle sizes do vary among manufacturers, nearly all would be considered nanomaterials under a broad definition of the term.

- Any particle smaller than 100nm is classified as “nano”. In simple terms, any mineral sunscreen that doesn’t leave a heavy white film would be nano. Our scientists put it like this: “if you look like a painted house after you put on your sunblock, it’s not nano. If you don’t, it is nano”.
- **Nanoparticles in sunscreen don’t penetrate the skin.** Some studies indicate that nanoparticles in large doses can harm living cells and organs. But a large number of studies have produced no evidence that zinc oxide nanoparticles can cross the skin in significant amounts (SCCS 2012). A real-world study tested the penetration of zinc oxide particles of 19 and 110 nanometers on human volunteers who applied sunscreens twice daily for five days (Gulson 2010). Researchers found that less than 0.01 percent of either form of zinc entered the bloodstream. Furthermore, the study could not determine whether the zinc in the bloodstream was insoluble nanoparticles, so the European regulators concluded it was most likely zinc ions, which would not pose any health risk (SCCS 2012). A study by Italian researchers focused on the potential for nanoparticles to cross damaged skin and found no evidence this actually happens (Crosera 2015).

Some brands do advertise their products as having non-nano zinc oxide and titanium dioxide. Here they often get a bit innovative – when several nano-zinc particles stick together, the “cluster” is bigger than 100nm. Still, the single particle will be smaller and nano-sized.

We could claim this for our brand and argue that we are non-nano, but we believe it is misleading to do so. We want to be honest and transparent.

## 2020 target

Safe nano-zinc sunscreens that are transparently labelled as nano.

✓ **Achieved**



Meets these United Nations  
Sustainable Development Goals

1. <https://www.health.harvard.edu/blog/keep-using-sunscreen-while-fda-updates-recommendations-on-safety-of-sunscreen-ingredients-2019073117377>

Thirteen.  
100% made in  
New Zealand

## Why is this important?

We want to be as close as possible to our products to ensure they meet our uncompromising standards. It also means we can have a close connection and collaboration with our team of green scientists.

This is why we choose to manufacture 15 minutes drive from Emma Lewisham's head office in Auckland, New Zealand. This is where we do all our R&D and manufacturing of Emma Lewisham products from scratch.

Working closely and in collaboration with our scientists means we have collectively been able to achieve many innovations in our products and challenge the status quo - including cracking the natural preservative code and producing 100% naturally derived and clean products with superior efficacy.

Our laboratory is a family-owned business which has staff working across formulation, operations, quality assurance, regulatory affairs, manufacturing, production, packing, and warehousing services. They hold an organic manufacturer's certification from BioGro to manufacture NATRUE certified natural and BioGro certified organic products, meeting internationally recognised standards. They are aligned with us on our sustainability journey and have partnered with us to support our refill initiatives.

There are additional considerations that we need to account for when manufacturing in New Zealand, such as the carbon implications when our products travel large distances to reach overseas markets.

We also must monitor and work with our suppliers to ensure they continue to meet our supplier standards. As it takes an enormous amount of time to review this, as we continue to grow, we will invest more in our team, to work directly with our suppliers. We ask all of our manufacturers to sign our Supplier Principles.

## 2020 target

Locally owned, with local product manufacturing.

✓ Achieved



Meets these United Nations  
Sustainable Development Goals

# Goals for PROSPERITY

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## Fourteen.

Become a certified  
B Corporation

## Fifteen.

Reduce  
inequalities  
& empower  
women

## Sixteen.

Responsible  
marketing

## Seventeen.

Be transparent,  
accountable,  
& take ownership

# Fourteen.

## Become B Corp certified

## Background

Our goal is to change the cosmetics industry to be transparent, circular and restorative. Achieving B Corp certification allows us to compare our performance and impacts as a business with others in our industry and business in other industries.

B Corp will provide us a great framework to grow into a company that is truly doing good for all our stakeholders.

Joining the B Corp community will be invaluable for us in terms of connections with, and learning from, other B Corp businesses.

The process of achieving B Corp certification is a big undertaking and time intensive.

## 2021 target

Become a B Corp certified business.



Meets these United Nations  
Sustainable Development Goals

# Fifteen.

## Reduce inequalities & empower women

## Background

Sadly, in the 21<sup>st</sup> century gender inequality still exists. Within organisations of all shapes and sizes and within countries of all levels of wealth and size.

We are passionate about women's equality and fair opportunities for everyone. Emma Lewisham wants to champion gender equality and this is a cause that Emma is passionate about herself.

Emma has been a member of [Zonta International](#) for over a decade and has previously served on the board. Zonta International is a leading global organisation of professionals empowering women globally with a mission and vision of a world in which women's rights are recognised as human rights and every woman is able to achieve her full potential.

The discussion often revolves around the general gender pay gap, which in New Zealand is 9.3%. Yet the gap for ethnic minorities is 30% - a staggering level.

In 2021 this is an issue that we will be speaking about with our suppliers, raising awareness around, and understanding their policies so we can ensure this is eliminated. We believe that women need to stand up for other women.

Supply chains can be long, it can be challenging to gain full transparency and takes time to be able to influence these. However, we believe we do need to start somewhere, and pushing for small steps can make a difference and create a ripple effect.

## 2021 target

We have equal pay for all staff, regardless of gender and ethnicity.

We ringfence products to be used for charitable causes, who support and empower females, giving them equal education and opportunities.

To promote on our social media, thought pieces on how we can all take ownership around ensuring all women and minorities are paid equally.

Emma to commit time monthly to supporting female led charities and continue in her work with Zonta International.

Identify a charitable trust that we would like to have a long-term relationship with within New Zealand by December 2021



Meets these United Nations Sustainable Development Goals

## Sixteen. Responsible marketing

### Background

The beauty industry is increasingly being called out for embellishing reality and marketing unrealistic and restrictive forms of perfection. Unhealthy models and airbrushed images are not socially responsible and contribute to body image anxiety and other issues.

Emma Lewisham does not manipulate the skin, face, or figure of models that appears in our imagery.

Although we may develop some ranges for specific skin types, we are extremely careful not to use any wording that might play on peoples' insecurities. We want our products to stand for the power of positive self-esteem and feeling confident in your own skin. Not the fear of falling short.

Likewise, our products never offer perfection or promise the impossible - they do what they say they'll do.

There are many brands who are using airbrushing and overpromising on what they'll deliver.

This sets unrealistic expectations and comparisons against brands who choose not to engage in this type of marketing.

### 2021 target

Continue to meet the uncompromising marketing standards we set for ourselves.

✓ **Achieved**



Meets these United Nations  
Sustainable Development Goals

# Seventeen.

Be transparent,  
accountable,  
& take  
ownership

## Background

At the core of Emma Lewisham is a belief that we don't need to sacrifice or compromise, naturally derived ingredients or our health in order to deliver efficacy and performance.

We believe that 'luxury,' 'sustainable,' and 'natural' products don't have to require a contradiction or compromise. We won't accept any trade-offs - whether it be to our customers' health, the results they see, or the environment. Achieving this trifecta is a huge challenge but one that is super inspiring.

As part of our transparency and accountability, we aspire to do more than simply selling products to our customers. We want to inform and educate. For instance, we would like all women to understand the importance of wearing sunscreen everyday, as many are unaware of the aging damage that UV rays do to their skin on a daily basis.

We will take a leadership position on the education of skin health issues, and the environmental and social issues our industry is impacting.

Transparency can require time and resources which can be difficult for a small business to absorb. For instance, to offset carbon emissions from an operational perspective, there is time and cost involved to set up measurement and reporting systems, in order to deliver transparency to our customers and other stakeholders.

## 2021 target

Publish a biennial sustainability and transparency report.

Proactive conversations and ongoing transparency with all our partners on how we do business, and how we can collectively improve our accountability and reporting.

Using our communication channels educate, engage, and inform our stakeholders.



Meets these United Nations  
Sustainable Development Goals

# EMMA LEWISHAM BEAUTY CIRCLE

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Free beauty recycling programme  
giving beauty packaging a second life.  
Return | Recycle | Refill |



# Emma Lewisham Beauty Circle – Recycling

Return | Recycle | Reward

The Emma Lewisham Beauty Circle is all part of our relentless pursuit to set a new standard in the beauty industry. We're proving that luxurious, high performing skincare doesn't have to come at a compromise to people's health or the planet's.

It is a free, incentivised rewards initiative to ensure beauty products are kept in circularity. We're rethinking the entire process of a beauty product's lifespan. We offer free returns, rewards and recycling for not only our own facial products but for all brands' facial products.

- **What is the recycled material used for?**

Plastic material is turned into small pellets that are reused in Emma Lewisham bottles, playground equipment or materials for the fashion industry. This means we're re-using and upcycling plastic material that's already in circulation, instead of creating virgin materials.

- **Does it cost to be part of the TerraCycle® initiative?**

It costs Emma Lewisham to be part of it, but we absorb this cost as part of our product stewardship, we believe taking ownership as a brand for our waste is the right thing to do. There is no cost passed onto you.

- **What can be sent back for recycling?**

All brands of facial skincare – anything that's used on the face. Plastic bottles, tubes and pots are accepted. Glass bottles and jars too (check with your local council as it may be kerbside recyclable in your region). Lids, droppers, push pumps, and other complex closures are also accepted. See full list of what's accepted and not accepted at <https://www.terracycle.com/emmalewisham-nz>

- **Can you accumulate the rewards?**

No, the voucher cannot be redeemed in conjunction with other Emma Lewisham Beauty Circle vouchers. It is valid until 31 December 2020. The voucher cannot be redeemed for cash. Each voucher can only be used once.

- For full FAQs, please see [https://www.terracycle.com/en-NZ/brigades/emmalewisham-nz/brigade\\_faqs](https://www.terracycle.com/en-NZ/brigades/emmalewisham-nz/brigade_faqs)

## How it works – New Zealand

- 1) Collect a minimum of 4 empty facial skincare vessels. These can be from any skincare brand (it doesn't have to be an Emma Lewisham product)
- 2) Sign up with our recycling partner Terracycle, at <https://www.terracycle.com/emmalewisham-nz>
- 3) Download and print your free shipping label from your Terracycle profile
- 4) Place your empty vessels in any re-useable packaging for shipping (such as an old cardboard box) and affix the shipping label. Then drop your package off to your local New Zealand Post.

## How it works – Australia

- 1) Collect a minimum of 4 empty facial skincare vessels. 3 need to be from Emma Lewisham, one can be from any other skincare brand.
- 2) Visit [https://return.auspost.com.au/new\\_zealand\\_post](https://return.auspost.com.au/new_zealand_post) and enter your information to get your pre-paid return shipping label, which you can use to send your empty bottle back to us.

You'll need to provide an order code, which is "EBC" + a dash + 000000 + your 4 digit Emma Lewisham order number. An example order code would look like: EBC-0000006184.

Remember, you can get your Emma Lewisham 4 digit order number from your Emma Lewisham shipment confirmation email for the last order you made with us.

- 3) Print your pre-paid return shipping label (or go into a Post Office and they will do it for you).
- 4) Place your empty vessels in any re-useable packaging for shipping (such as an old cardboard box) and affix the pre-paid return shipping label.

This recycling programme is currently available to our New Zealand and Australian customers only. Please see [emalewisham.com](http://emalewisham.com) for T&Cs.



# Emma Lewisham Beauty Circle – Refills

Return | Refill | Reuse

If you have previously purchased one of our refillable products and have finished your bottle or jar, you have the option to participate in our Emma Lewisham Beauty Circle Refill Programme. You can purchase a refilled product that comes in packaging that has been returned, cleaned, sterilised, refilled and kept in circulation.

When you purchase a refillable product over a new bottle there is a quantifiable impact (source: LCA Centre):

- 70% less CO<sub>2</sub> emissions
- 60% less energy
- 45% less water
- No materials to landfill

Refills are the ultimate in circularity as you're using materials that have already been produced – there's no recycling process required and it saves the significant energy that comes with recycling.

## How it works – New Zealand

- 1) Purchase a 'refill' product on [emmalewisham.com](http://emmalewisham.com). This 'refill' product is a bottle that has been returned, cleaned, sterilised, refilled and kept in circulation.
- 2) You will then receive your Emma Lewisham refill product in a reusable bag. Inside your bag will also be a pre-paid return shipping label that you can use to send your empty bottle back to us.
- 3) Put your old Emma Lewisham bottle inside the bag (using the tissue provided to protect it) and reseal the bag. Place your pre-paid return shipping label over the old shipping label on your bag.

## How it works – Australia

- 1) Purchase a 'refill' product on [emmalewisham.com](http://emmalewisham.com). This 'refill' product is a bottle that has been cleaned, sterilised, refilled and kept in circulation.
- 2) You will then receive your Emma Lewisham refill product in a reusable bag. Put your old Emma Lewisham bottle inside the bag (using the tissue provided to protect it) and reseal the bag.
- 3) Visit [https://return.auspost.com.au/new\\_zealand\\_post](https://return.auspost.com.au/new_zealand_post) and enter your information to get your pre-paid return shipping label, which you can use to send your empty bottle back to us.

You'll need to provide an order code, which is "ELR" + a dash + 000000 + your 5 digit Emma Lewisham order number. An example order code would look like: ELR-0000056184.

Remember, you can get your Emma Lewisham 4 digit order number from your Emma Lewisham shipment confirmation email.

- 4) Print your pre-paid return shipping label (or go into a Post Office and they will do it for you), then place it over the old shipping label on your bag.
- 5) Drop your package off to the nearest Post Office, or Post Box. You can find your nearest Post Office here: <https://auspost.com.au/locate/>

This recycling programme is currently available to our New Zealand and Australian customers. Please see [emmalewisham.com](http://emmalewisham.com) for T&Cs.



Product  
LIFECYCLE  
ASSESSMENT

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# Emma Lewisham Packaging Unpacked

## Product box packaging

- Printed on an environmentally responsible paper, produced using PEFC certified pulp from responsible sources.
- 100% recyclable in New Zealand
- Stamping foil used on the box does not affect recyclability
- Printed using mineral, oil free, vegetable-based inks and water-based coatings
- Oil based glue is required to assemble these boxes

## Shipping box

- Made from imported virgin stock 100% recyclable in New Zealand / compostable
- Forest Stewardship Council (FSC) certified 100% acid free
- Printed using environmentally friendly vegetable-based inks
- Flat packed, no glue or tape required

## Refill shipping bags

- Made from natural limestone waste off-cuts and recycled resin in a process that uses solar energy and generates zero waste.
- Re-useable, waterproof, anti-bacterial and photodegradeable so it will return to the earth as dust.
- Has a quantifiable environmental impact over regular paper\*: 20 trees not cut down, 900 kgs CO2 emissions prevented, 150 kgs solid waste not generated, 59,272 L of water saved.



## Tissue Paper

- Made from cellulose fibre where the active acid pulp is eliminated during processing. This means it is acid-free paper.
- It is also lignin- and sulfur-free, and printed with soy-based inks, meaning that our ink won't transfer from the tissue and the paper won't leave behind any of these chemicals when decomposing
- 100% recyclable and compostable
- Not laminated or foiled
- Adhesives used are made up of resins, antioxidants and viscosity modifiers which are also biodegradable

## Skin Reset, Supernatural Crème, Supernatural Oil, Illuminating Exfoliant, Illuminating Cleanser glass bottles

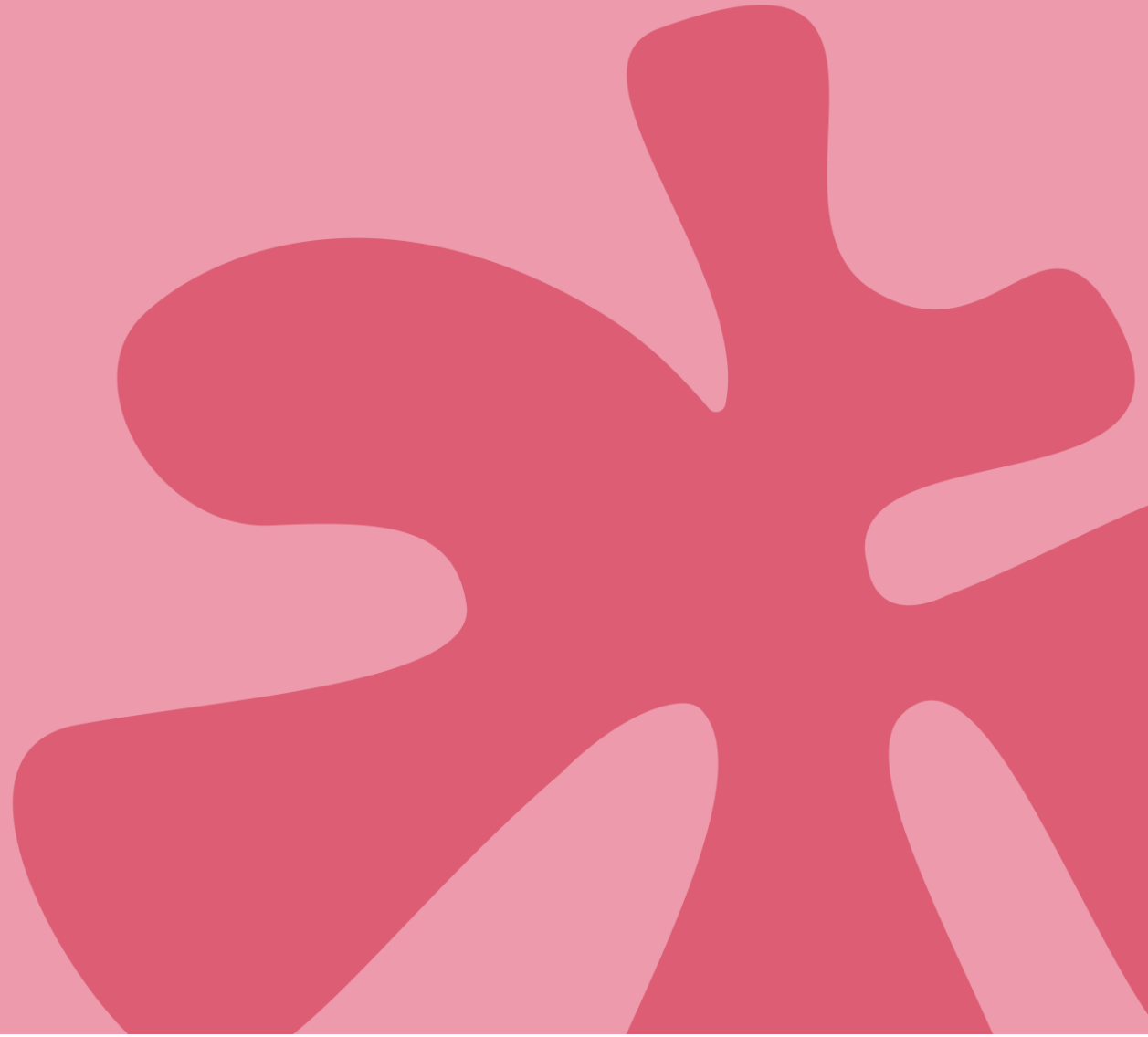
- Glass bottle with plastic cap and pump made from imported virgin materials
- Not recyclable in New Zealand due to frosting

## Skin Shield SPF tubes

- Tube made from imported recycled post consumer HDPE #2 plastic
- Tube is 100% recyclable via the Emma Lewisham Beauty Circle - our free recycling programme in partnership with Terracycle
- Cap made from #5 polypropylene virgin plastic

# Ingredient ASSESSMENT

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# Emma Lewisham Ingredient Assessment

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Aloe barbadensis (Aloe Vera) leaf extract	China	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>EcoCert</li> <li>IASC &amp; ISO Cert</li> <li>Halal</li> <li>Kosher</li> <li>Certified Organic Biogro 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Water extraction</li> </ul>
Sodium hyaluronate (Hyaluronic Acid)	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Allergen free compliant w EU Reg 1223/2009</li> <li>ISO22000, HACCP, FSSC22000, ISO14001, ISO45001, ISO50001</li> <li>Kosher</li> <li>Halal</li> <li>Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Produced through fermentation</li> <li>Not treated with ionizing radiation, no residual solvents</li> </ul>
Alchemilla vulgaris (Lady's Mantle) extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Grown to Bio Suisse standards</li> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Extraction with organic ethanol and water, filtration</li> </ul>
Argania spinosa (Argan) kernel oil	Morocco	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>EcoCert</li> <li>NZ Biogro Certified Organic</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Manufacturing of the oil: hydraulic cold pressure after grinding of seeds and pressure on cotton disks</li> <li>Processing of crude oil: paper filtering, and deoderisation</li> <li>Not irradiated or ionized</li> <li>Cold pressed extraction</li> </ul>
Borago officinalis (Borage) seed oil	China	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>EcoCert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Alaria esculenta (Seaweed) extract	France	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>NATRUE</li> <li>EcoCert</li> <li>COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Harvesting, drying, grinding, then extraction with naturally derived solvent, filtration</li> </ul>
Prunus avium (Sweet Cherry) seed oil	Italy, France, Spain	EWG 1 out of 10	No	No	-	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Expeller pressed</li> </ul>
Corylus americana (Hazelnut) seed oil	Australia	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>ABP Certificate</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Expeller pressed</li> </ul>
Cucumis sativus (Cucumber) seed oil	Chile	EWG 1 out of 10	No	No	-	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed</li> </ul>
Sclerotium gum	France, Belgium, Germany	EWG 1 out of 10	No	No. Derived from soybeans which may be genetically modified but presence of GMO is not detectable through testing	<ul style="list-style-type: none"> <li>ISO 16128</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Naturally occurring reaction (NOR)</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Primula veris (Cowslip) extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Grown to Bio Suisse standards</li> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Extraction with organic ethanol and water, filtration</li> </ul>
Camellia oleifera (Camellia) seed oil	China	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>SCO</li> <li>USADA NOP</li> <li>Certified Organic Biogro</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Camellia japonica (Camellia) seed oil	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>ABP (Australian Botanical products) certified</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Archillea millefolium (Yarrow) extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Grown to Bio Suisse standards</li> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Extraction with organic ethanol and water, filtration</li> </ul>
Swertia Chirata (Plant Stem Cells) extract	China	EWG 1 out of 10	No - not available as organic	No. Derived from soybeans which may be genetically modified but presence of GMO not detectable through testing	<ul style="list-style-type: none"> <li>ISO 16128</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Swertia chirata extract with addition of water and heating</li> </ul>
Butyrospermum parkii (Shea Butter) ethyl esters	China	EWG 1 out of 10	No - not available as organic	No	-	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Goes through transesterification, neutralisation, bleaching, deodorisation</li> </ul>
Astrocaryum murumuru (Murumuru) seed butter	Brazil	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold press extraction</li> <li>Fermentation</li> </ul>
Carthamus tinctorius (Safflower) oleosomes	USA	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>COSMOS</li> <li>Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Water extraction</li> </ul>
Citrullus lanatus (Kalahari Melon) seed oil	South Africa	EWG 1 out of 10	No	No	-	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Limnanthes alba (Meadowfoam) seed oil	USA	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>EcoCert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Not irradiated at any stage, no solvents or preservatives used in extraction and refining</li> </ul>
Euphorbia cerifera cera (Candelilla wax)	USA	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Kosher</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Melted and agitated in controlled processing tank, recirculated through filter press and pastillated</li> <li>No water is used in processing</li> </ul>
Vitis vinifera (Grape) seed oil	Chile	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>ISO 14001:2004</li> <li>Organic certified Biogrow 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Helianthus annuus (Sunflower) seed oil	Spain	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Organic certified USDA</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Calophyllum inophyllum (Tamanu) seed oil	Vanuatu	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>COSMOS</li> <li>Organic certified USDA</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Leontopodium alpinum (Edelweiss) flower/leaf extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> <li>ISO 16128</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Prunus armeniaca (Apricot) kernel oil	Italy	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>ACO certified</li> <li>USDA NOP certified</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Rubus idaeus (Raspberry) seed oil	Southern Chile	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>ISO 14001:2004</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Hippophae rhamnoides (Sea Buckthorn) fruit oil	Europe	EWG 1 out of 10	No	No	-	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Malva sylvestris (Mallow) extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Grown to Bio Suisse standards</li> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Extraction with organic ethanol and water, filtration</li> </ul>
Oenothera biennis (Evening Primrose) oil	China	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Certified Organic Biogro 5401</li> <li>EcoCert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Zinc oxide (nano)	Australia	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>EcoCert</li> <li>REACH</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Heat treatment and mechanical processing</li> </ul>
Tapioca starch	Thailand	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Eco-Social Certified</li> <li>Halal</li> <li>Kosher</li> <li>EcoCert</li> <li>BRC</li> <li>GMP</li> <li>ISO9001</li> <li>Social Responsibility and Environmental Sustainability certified</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Water extraction</li> </ul>
Opuntia ficusindica (Prickly Pear) seed oil	Morocco	EWG 1 out of 10	Yes	No	-	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>



Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Cera alba (beeswax)	New Zealand	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal testing</li> <li>Beeswax is animal derived</li> </ul>	<ul style="list-style-type: none"> <li>When honey boxes are taken off the hives, the wax is cut open and the honey is extracted. The wax that is cut off- called cappings wax - is what is used in making beeswax pellets. Therefore, cappings wax is technically a waste product of honey extracting. If it wasn't used- it would just be dumped.</li> <li>The wax is not extracted directly from the beehives. The bees continue to have their own wax in their brood boxes (where the bees and queen live). This is not accessed. The honey boxes are added and removed through the season, but the bees' home is untouched. Therefore, it is a sustainable practice that is not cruel to the bees as a waste product is being used.</li> <li>The raw yellow wax is either melted into blocks by the beekeeper, or comes to the supplier to melt down into blocks (first stage of production process), before it goes through various filtering processes prior to making pellets.</li> </ul>
Melissa officinalis (Lemon Balm) leaf extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Grown to Bio Suisse standards</li> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Extraction with organic ethanol and water, filtration</li> </ul>
Macadamia ternifolia (Macadamia) seed oil	Europe, South Africa	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>ACO</li> <li>USDA NOP</li> <li>Certified Organic Biogro 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Terminalia ferdinandiana (Kakadu Plum) seed oil	Australia	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Rosa canina (Rosehip) Fruit Oil	Southern Africa	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Organic certified Biogrow 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Arctostaphylos uva-ursi (Bearberry) leaf extract	Europe	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Salvia hispanica (Chia) seed oil	Brazil	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Certified Organic Biogro 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Butyrospermum parkii (Shea) butter	France	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Ecocert</li> <li>USDA</li> <li>Certified Organic Biogro 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Prunus amygdalus dulcis (Sweet Almond) oil	Italy	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Certified Organic Biogro 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Xanthan gum	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Mentha piperita (Peppermint) leaf extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Grown to Bio Suisse standards</li> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Extraction with organic ethanol and water, filtration</li> </ul>
Persea gratissima (Avocado) oil	Kenya	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Certified Organic Biogro 5401</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Veronica officinalis (Speedwell) extract	Switzerland	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Grown to Bio Suisse standards</li> <li>Ecocert</li> <li>COSMOS</li> <li>NATRUE</li> <li>Fair For Life</li> <li>Fair Trade</li> <li>Halal</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Extraction with organic ethanol and water, filtration</li> </ul>
Glycyrrhiza glabra (Liquorice) root extract	New Zealand	EWG 1 out of 10	No	No	-	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Simmondsia chinensis (Jojoba) seed oil	Argentina	EWG 1 out of 10	Yes	No	<ul style="list-style-type: none"> <li>Organic certified USDA</li> <li>Organic certified Biogro 5401</li> <li>OIA certification</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Cold pressed extraction</li> </ul>
Saccharide isomerate	Switzerland	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>100% renewable (sustainable process due to the use of a sugar extracted from harvested kernel corn)</li> <li>Ecocert</li> <li>COSMOS</li> <li>NaTrue</li> <li>100% natural origin (ISO 16128)</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Naturally occurring reaction (NOR)</li> </ul>
Bakuchiol	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>Ecocert</li> <li>ISO 9001:2015</li> <li>Allergen free, complies with requirements of Cosmetic Regulation 1223/2009.</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>CO2 extraction, solvents used: water and ethanol</li> <li>Petroleum ether, ethyl acetate used in the crude extraction &amp; column separation</li> <li>Ethanol used in the final step to get rid of solvent residues</li> </ul>
Simmondsia chinensis (Jojoba) esters	USA and Argentina	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>EU Reg 1223/2009</li> <li>Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Naturally occurring reaction (NOR)</li> </ul>
Caprylic/capric triglyceride (palm extract)	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>COSMOS</li> <li>Ecocert</li> <li>NATRUE</li> <li>RSPO</li> <li>GRAS</li> </ul>	<ul style="list-style-type: none"> <li>No animal derived ingredients</li> <li>No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>Naturally occurring reaction (NOR)</li> <li>Esterification of glycerol and fatty acids of C8 and C10</li> <li>Ingredients used for extraction - palm kernel oil/ palm goes through fractionation and splitting to obtain the glycerol and fatty acids</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Tridecane (coconut derived)	Malaysia	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• Kosher</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> <li>• Hydrogenation</li> </ul>
Undecane (coconut derived)	Malaysia	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• Kosher</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> <li>• Hydrogenation</li> </ul>
Pullulan	India	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• ISO 16128</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Fermentation, filtration, decoloration, deionization, drying</li> </ul>
Silica	USA	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• ISO 16128</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Mining and processing (hot)</li> </ul>
Saccharide isomerate	Switzerland	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• Ecocert</li> <li>• NATRUE</li> <li>• Fair Trade</li> <li>• Halal</li> <li>• EU Reg 1223/2009</li> <li>• EU Reg 1907/2006</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• No palm oil, ionisation or irradiation.</li> <li>• Extraction from conventional plants</li> </ul>
Niacinamide	Switzerland	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• Palm free</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Natural chemical reaction</li> </ul>
Tocopherol	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Distillation</li> </ul>
Phytosterols	Europe	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Extracted with water and ethanol</li> </ul>
Phytosteryl macadamiate	USA	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Squalene	Italy	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Isopropyl palmitate	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Sodium chloride	New Zealand	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• Kosher</li> <li>• Halal</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Water extraction</li> </ul>
Glycerin	China	EWG 2 out of 10	Yes	No	<ul style="list-style-type: none"> <li>• Halal</li> <li>• Kosher</li> <li>• Vegan</li> <li>• ISO 9001:2015</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> <li>• Distillation, evaporation then decolorisation</li> </ul>
Coco-caprylate	Germany	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> <li>• Esterification then deodorization</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Cetearyl olivate	Italy	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• ISP 16128-1:2106</li> <li>• RSPO</li> <li>• Halal</li> <li>• Kosher</li> <li>• Leaping Bunny Certification (Cruelty Free International)</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> <li>• Distillation, evaporation then decarisation</li> </ul>
Glyceryl stearate citrate	China	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• EC No 1223/2009</li> <li>• RSPO</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Sorbitan olivate	Italy	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• ISP 16128-1:2106</li> <li>• RSPO</li> <li>• Halal</li> <li>• Kosher</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Hydrolysis, distillation, esterification</li> </ul>
Cetearyl alcohol	China	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Distillation, evaporation then decarisation</li> </ul>
Glyceryl caprylate	China	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Caprylhydroxamic acid	Germany	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> <li>• Distillation, evaporation then decarisation</li> </ul>
Benzyl alcohol	Germany	EWG 4 out of 10 (however, we only use 0.3% - below any hazardous or sensitivity threshold)	No	No	<ul style="list-style-type: none"> <li>• Ecocert</li> <li>• COSMOS</li> <li>• NATRUE</li> <li>• BDIH</li> <li>• The Soil Association</li> <li>• Biogro Certified Natural</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Hydrolysis reaction, distillation, purification, crystallisation and drying</li> </ul>
Lecithin	USA/Canada	EWG 2 out of 10	No	No	<ul style="list-style-type: none"> <li>• Allergen free compliance with EU Reg 1223/2009</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Hexane used for extraction</li> </ul>
Polyglyceryl-2 dipolyhydroxystearate	India	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• ISO 9001/2015</li> <li>• Kosher</li> <li>• COSMOS</li> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR) - hydrolysis</li> </ul>
Galactoarabinan	USA	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• EU Reg No 1223/2009</li> <li>• NATRUE</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Steam and water extraction</li> </ul>
Polyglyceryl-3 polyricinoleate	Europe	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Polyhydroxystearic acid	US	EWG 1 out of 10	No - not available as organic	No	-	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Potassium cetyl phosphate	China	EWG 1 out of 10	No - not available as organic	No	<ul style="list-style-type: none"> <li>• Kosher</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Brassica alcohol	USA, derived from brassica plants sourced in India	EWG 1 out of 10	No - not available as organic	No. Starting raw materials don't intentionally include GMO and no GMO materials are introduced during the manufacturing process.	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• EcoCert</li> <li>• NSF/ANSI 305</li> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>
Iostearic acid	Europe	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• RSPO</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Derived from vegetable (rapeseed)</li> </ul>
Olea europaea (Olive) fruit oil	Spain	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• GMP</li> <li>• HACCP</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Cold pressed</li> </ul>
Organic Ricinus communis (Castor) seed oil	India	EWG 2 out of 10	Yes	No		<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Expeller pressing</li> </ul>
Calendula officinalis (Calendula) flower extract	UK	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Filtration</li> </ul>
Citrus grandis (Grapefruit) peel oil	Argentina	EWG 3 out of 10	Yes	No	<ul style="list-style-type: none"> <li>• ISO 9001:2015</li> <li>• ISO 22000:2005</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Cold pressed</li> </ul>
Hydrogenated Simmondsia chinensis (Jojoba beads) oil	USA	EWG 1 out of 10	No	No		<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Derived from vegetable (rapeseed)</li> </ul>
Carica papaya (Papaya) seed oil	Mexico	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Expeller pressing, refined</li> </ul>
Citrus aurantium amara (Neroli) peel oil	Australia	EWG 4 out of 10	No	No		<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Steam distillation</li> </ul>
Lavandula angustifolia (Bulgarian Lavender) oil	France	EWG 2 out of 10	No	No		<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Steam distillation</li> </ul>
Rosa damascena (Damask Rose) flower oil	Bulgaria	EWG 3 out of 10	No	No	<ul style="list-style-type: none"> <li>• ISO 9001:2015</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Organic solvents</li> </ul>
Rosmarinus officinalis (Rosemary) leaf extract	China	EWG 1 out of 10	No	No		<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Supercritical CO2 extraction</li> </ul>
Tocopheryl acetate	China	EWG 2 out of 10	No	No	<ul style="list-style-type: none"> <li>• ISO 9000</li> <li>• ISO 22000</li> <li>• Halal</li> <li>• GMP</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Esterification, decolourisation, molecular distillation, dilution, filtration</li> </ul>
Salix alba (Willow) bark extract	New Zealand	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• GMP</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Maceration, percolation</li> </ul>
Hibiscus sabdariffa (Hibiscus) flower extract	New Zealand	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• GMP</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Maceration, percolation</li> </ul>
Pentylene glycol	Germany	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• Ecocert</li> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Naturally occurring reaction (NOR)</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Polyglyceryl-2 sesquiolate	Denmark	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Esterification</li> </ul>
Polyglyceryl-2 caprylate	Germany	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Alkaline dimerization, esterification</li> </ul>
Jasminum officinale (Jasmine) flower oil	India	EWG 4 out of 10	No	No	-	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Ethanol extraction</li> </ul>
Kaolin	Australia	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• ISO 9001:2015</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Kaolin is quarried from open-cast pits using excavators and/or high-pressure hoses</li> <li>• Refining of naturally occurring kaolin mineral deposits</li> </ul>
Mica	USA	EWG 2 out of 10	No	No	<ul style="list-style-type: none"> <li>• Ecocert</li> <li>• Cosmo Nature</li> <li>• Halal</li> <li>• EFICI GMP</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Mined</li> </ul>
Titanium dioxide	China	EWG 2 out of 10	No	No	<ul style="list-style-type: none"> <li>• Reach Certification (EC) No 1907/2006</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Mined</li> </ul>
Anhydroxylitol	France	EWG 1 out of 10	No	No	-	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Glucosylation, dilution</li> </ul>
Macadamia ternifolia (Macadamia) seed oil esters	USA, Peru, Argentina, Israel, and Kenya	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Interesterification</li> </ul>
Xylitol	France	EWG 1 out of 10	No	No	-	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Glucosylation, dilution</li> </ul>
Acer rubrum (Red Maple) bark extract	Canada (Quebec)	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• COSMOS</li> <li>• Halal</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Aqueous extraction</li> </ul>
Iron Oxides	USA	EWG 2 out of 10	No	No	<ul style="list-style-type: none"> <li>• Ecocert</li> <li>• Cosmo Nature</li> <li>• Halal</li> <li>• EFICI GMP</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Mined</li> </ul>
Lactic acid	France	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• Ecocert</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Fermentation</li> </ul>
Malpighia glabra (Acerola) fruit extract	Brazil	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• Nagoya Protocol</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Maceration, percolation</li> </ul>
Centella asiatica (Gotu Kola) extract	China	EWG 1 out of 10	No	No	<ul style="list-style-type: none"> <li>• GMP</li> </ul>	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Maceration, percolation</li> </ul>
Dehydroacetic acid	Germany	EWG 1 out of 10	No	No		<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Homogenisation, stabilisation</li> </ul>

Ingredient	Source location	EWG rating (1= low hazard, 10 = high hazard)	Organic	Contains GMO (genetically modified organisms)	Certifications	Is animal derived or tested on animals	Extraction method
Sodium ascorbyl phosphate	China	EWG 1 out of 10	No	No	• ISO	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• VC ramification, decolourisation, separation, drying</li> </ul>
Xylitylglucoside	France	EWG 1 out of 10	No	No		<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Glucoxylation, dilution</li> </ul>
Natural fragrance	France	N/A	No	No	• COSMOS NATURAL ingredients	<ul style="list-style-type: none"> <li>• No animal derived ingredients</li> <li>• No animal testing</li> </ul>	<ul style="list-style-type: none"> <li>• Distillation, pressing, blending</li> </ul>

#### Notes:

- We have been given reassurances from our suppliers that they do not participate in any child labour - we trust our relationships and supply agreements here and over time we will undertake our own third party assessments.
- Ingredients are not always available in an organic form, and organic ingredients are not always possible to source due to the quantity and quality available.
- Palm oil is the lowest cost, most widely produced vegetable oil on earth. It is the highest yielding oil meaning that it requires less land to produce than any other vegetable oil. Palm oil itself is not commonly used as a cosmetic ingredient and we *do not use it* in any Emma Lewisham products. However, Palm oil is a relatively common feedstock used in the manufacture of a variety of materials that are used as cosmetic ingredients. The Roundtable on Sustainable Palm Oil (RSPO) is the leading certification body. They have developed a set of environmental and social criteria which companies must comply with in order to produce Certified Sustainable Palm Oil (CSPO). Derivatives of Palm oil such as are used in cosmetics can be certified by RSPO subject to supply chain requirements. There are three types of supply chain mechanisms that pertain to cosmetic ingredients. These relate to the different ways in which the palm is grown and the oil extracted and traded. In some places, Palm oil is obtained from large plantations that are managed by large corporates and extracted and sold by them. In other regions it is produced by small family groups and combined with many other producers for on-going sale and processing. This precludes traceability from the end product back to an individual farm. Wherever feasible, we use palm oil derivatives that are RSPO supply chain certified. These include materials like Cetearyl alcohol, Cetyl alcohol, Glyceryl stearate, Glycerin, Capric/caprylic triglyceride. However, a very small number of specialty ingredients we use such as Cetearyl olivate and Sorbitan olivate are not currently available RSPO supply chain certified. We are working towards obtaining these materials from sources that are RSPO supply chain certified.
- Our formulations contain benzyl salicylate, citronellol, eugenol, geraniol, linalool in very low concentrations as constituents of our essential oils. It's worth noting that the EWG rating for these refer only to the individual constituents extracted in a lab from the essential oil, or synthetically replications. The ratings are not applicable to our formulas, as we never use extracted or synthetic constituents, only the pure naturally occurring essential oil.

# Glossary of terms



## Accountability

Being accountable not only means being responsible for something but also ultimately being answerable for your actions. In ethics and governance, accountability is answerability, blameworthiness, liability, and the expectation of account-giving.

## B Corp

Certified B Corps are businesses that meet the highest standards of verified social and environmental performance, public transparency, and legal accountability to balance profit and purpose. B Corps are accelerating a global culture shift to redefine success in business and build a more inclusive and sustainable economy.

## Biodegradable

An item that can break down into natural materials in the environment without causing harm.

## Carbon credits

A carbon credit is a generic term for any tradable certificate or permit representing that one tonne of carbon dioxide or the equivalent amount of different greenhouse gases (communicated as a tonne of CO<sub>2</sub> equivalent - tCO<sub>2</sub>e) has been paid for.

## Carbon neutrality

Carbon neutrality, or having a net-zero carbon footprint, refers to an organisation, or product, offsetting the same amount of GHGs as they are responsible for emitting.

## Carbon negative / positive / climate positive

Frustratingly “carbon negative”, “carbon positive”, and “climate positive” are all the same thing. They all mean that more GHGs are sequestered than emitted. Business typically achieve this through purchasing more carbon credits than is equal to the size of their carbon footprint.

## Carbon sink

A forest, ocean, or other natural environment viewed in terms of its ability to absorb, and hold, carbon dioxide from the atmosphere.

## Certifications

A certification is a credential that shows the required set of standards have been met.

## Circular Economy

A circular economy is an economic system powered by renewable energy that designs out waste and pollution, keeps products and materials in circulation, and regenerates natural systems. Circular systems employ repairing, reuse, refurbishment, recycling and composting to create a closed system, minimising the use of resource input and eliminating waste.

## Climate Change

A change in global or regional climate patterns brought about by a warming planet. Our planet is warming due to a massive increase of Greenhouse Gases (GHGs) trapping heat in the atmosphere.

## Compostable

Compostable means that a product is capable of biodegrading into natural elements in a compost environment, leaving no toxicity in the soil, in a certified amount of time (typically three months).

The difference between ‘commercially compostable’ and ‘home compostable’ certifications relates to the heat required for the packaging to compost. Commercially compostable packaging requires higher heats that are hard to achieve in a home compost due to its size and how well it is managed.

## Degradeable

An object or material will break apart into smaller pieces over time (that could be a day or one million years). Technically every physical thing is degradable as everything breaks down over time. A commonly used greenwashing term.

## Eco Packaging Alliance

Eco-Packaging Alliance is a membership programme run by the packaging supplier ‘noissue’, designed to contribute to global reforestation by making a financial contribution to planting projects from every order a customer places with them.

## Environmental Working Group (EWG)

An independent American organization that specialises in research and advocacy in the areas of agricultural subsidies, toxic chemicals, drinking water pollutants, and corporate accountability. They create awareness about chemicals in products by giving shoppers useful information from a team of scientists they have come to trust.

## Ethical sourcing

Ethical sourcing is the process of ensuring the products being sourced are obtained in a responsible and sustainable way. Assuring the workers involved in making them are safe and treated fairly, and that environmental and social impacts are taken into consideration during the sourcing process.

## Forestry Stewardship Council® (FSC®)

FSC certification shows that the wood fibre (wood / paper / cardboard) has come from a forest and supply chain that is managed responsibly. To achieve FSC certification ten rules that cover the essentials of responsible forest management must be adhered to.

## Fossil fuels

Coal, gas, or oil formed in the geological past from the fossilised remains of once living organisms.

## Greenhouse gases (GHGs)

The greenhouse effect is a warming of Earth’s surface and the air above it. It is caused by gases in the air that trap energy from the Sun. These heat-trapping gases are called greenhouse gases. The most common greenhouse gases are water vapor, carbon dioxide, nitrous oxide, methane, and refrigerant gases.

## Greenwashing

Greenwashing is the practice of making an unsubstantiated or misleading claim about the environmental benefits of a product, service, technology or company practice. Companies greenwash to appear to be more environmentally friendly than they really are.

## HDPE plastic

High-density polyethylene (HDPE) or polyethylene high-density (PEHD) is a thermoplastic polymer produced from the monomer ethylene. With a high strength-to-density ratio, HDPE is used in the production of plastic bottles and commonly recycled. It has the number "2" as its resin identification code. Other plastic numbers codes are the following:

- #1 - PET (Polyethylene Terephthalate)
- #2 - HDPE (High-Density Polyethylene)
- #3 - PVC (Polyvinyl Chloride)
- #4 - LDPE (Low-Density Polyethylene)
- #5 - PP (Polypropylene)
- #6 - PS (Polystyrene)
- #7 - Other (BPA, Polycarbonate and LEXAN)

## ISO certification

The ISO standards are a robust and highly credible family of standards that set statutory and regulatory requirements for organisations to achieve certification relating to a huge range of social, environmental and economic topics.

## Lifecycle assessment (LCA)

LCA's assess environmental impacts associated with all the stages of a product's life from raw material extraction through materials processing, manufacture, distribution, use, repair and maintenance, and disposal or recycling.

## Organic

Simply stated, organic produce and other ingredients are grown without the use of pesticides, synthetic fertilisers, sewage sludge, genetically modified organisms, or ionising radiation. Animals that produce meat, poultry, eggs, and dairy products do not take antibiotics or growth hormones.

## Programme for the Endorsement of Forest Certification (PEFC)

PEFC is an international, non-profit, non-governmental organization which promotes sustainable forest management through independent third-party certification.

## Post-consumer recycled plastic (PCR)

Plastic that was used in a previous product or packaging item and has been collected and recycled after a consumer has disposed of it. E.g a plastic bottle. Using PCR supports the recycling of products and packaging at the end of their life.

## Pre-consumer recycled plastic

Plastic that has escaped the manufacturing process (e.g. trimmings or defective product) and then reintroduced into that process. Pre-consumer recycling is commonly used in manufacturing industries and is often not considered recycling in the traditional sense.

## Post-consumer waste

Materials that have been discarded by a consumer at the end of use. This can find its way into a landfill, incinerator, or the open environment.

## Pre-consumer waste

Materials that have been discarded by an organisation before they even go to market. Typically manufacturing scrap (such as trimmings from paper production), or defective products.

## Programme for the Endorsement of Forest Certification (PEFC)

PEFC is an international, non-profit, non-governmental organisation which promotes sustainable forest management through independent third-party certification. It is considered the certification system of choice for small forest owners.

## Raw virgin materials

Material that has not been previously used.

## Regenerative

Impacting an ecosystem or community in a way that repairs, restores, or replenishes it. Or put simply - leaving a place better than we found it.

## Regenerative Organic Agriculture

An approach to farming that is in harmony with the local ecosystem and prioritises the health of soils. It has the impact of sequestering carbon, building soil, improving water quality, enhancing biodiversity and improving the health and well-being of the farmers and their communities. It typically involves growing a wide diversity of crops, no tilling, and no synthetic chemicals.

## Responsible business

Responsible business is a very subjective term but to Emma Lewisham it means that we take full responsibility for our impacts on all our stakeholders and the environments we operate in. We do our due-diligence and research on the impacts of all our products and packaging, and we are contributing to making a better world.

## Sequester

Taking carbon (in the form of carbon dioxide gas - CO<sub>2</sub>) out of the atmosphere and using it to build structures and/ or putting it into the soil. This is what all plants do through the process of photosynthesis.

## Supplier principles

Supplier principles (aka procurement principles) are created for the purpose of ensuring that a company's suppliers operate in a way that aligns with the purchasing organisations own principles. They typically relate to the health and well-being of staff, and the impacts on the local environment.

### Supply chain

The sequence of processes, people, and organisations involved in the production and distribution of a commodity or product.

### Sustainability

Sustainability is a very broad and subjective term. It is commonly used with little substantiation. To Emma Lewisham sustainability is the practice of ensuring how we live, trade, and do business can be sustained without the exploitation of people or the natural world.

### Terracycle

TerraCycle is an innovative waste management company with a mission to eliminate the idea of waste. Operating nationally across 21 countries, TerraCycle partners with leading consumer product companies, retailers and cities to recycle products and packages, from dirty diapers to cigarette butts, that would otherwise end up being landfilled or incinerated. In addition, TerraCycle works with leading consumer product companies to integrate hard to recycle waste streams, such as ocean plastic, into their products and packaging. TerraCycle has won over 200 awards for sustainability and was named #10 in Fortune magazine's list of 52 companies Changing the World. To learn more visit [www.terracycle.com](http://www.terracycle.com).

### The 5 R's

The 5 R's of zero waste: Refuse what you don't need. Reduce what you do need. Reuse what you use. Repurpose by upcycling the product for something new. Recycle what you can't refuse, reuse, or repurpose.

### Transparency

Transparency is not hiding anything. It is about being open and honest, in a way that is easy for others to see and understand, on how you operate your business.

### United Nations Sustainable Development Goals (SDGs)

The SDGs are a call for action by all countries – poor, rich and middle-income – to promote prosperity while protecting the planet. They recognise that ending poverty must go hand-in-hand with strategies that build economic growth and address a range of social needs including education, health, social protection, and job opportunities, while tackling climate change and environmental protection.

### Zero waste

The conservation of all resources by means of responsible production, consumption, reuse, and recovery of all products, packaging, and materials, without burning them, and without discharges to land, water, or air that threaten the environment or human health.