

# Environmental Product Declaration

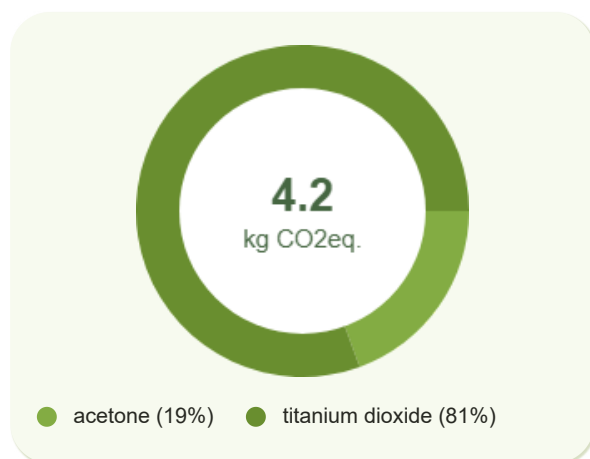
FOR 1 kg of: **Kaleidochrome Long & Durable(TM) - White Paint**  
Manufactured by:

This Environmental Product Declaration is based on third-party verified results.  
It involves a cradle-to-gate (A1-A3) life-cycle assessment of the product's ingredients. **100%** of ingredients are accounted for.

## Ingredients

| Ingredient Name         | Cas Number | % w/w Proportion |
|-------------------------|------------|------------------|
| <b>acetone</b>          | 67-64-1    | 50               |
| <b>titanium dioxide</b> | 13463-67-7 | 50               |

## Life Cycle Inventory Assessment Results



| Parameter                          | Units                  | Total (A1-A3) |
|------------------------------------|------------------------|---------------|
| Climate Change <b>Fossil Fuels</b> | kg·CO <sub>2</sub> .eq | 4.2           |
| Climate Change <b>Biogenic</b>     | kg·CO <sub>2</sub> .eq | 0.0083        |
| Climate Change <b>Land Use</b>     | kg·CO <sub>2</sub> .eq | 0.0034        |
| Climate Change <b>Total</b>        | kg·CO <sub>2</sub> .eq | <b>4.2</b>    |

### Climate Change Rating



| Parameter                           | Units                    | Total (A1-A3)        |
|-------------------------------------|--------------------------|----------------------|
| Acidification                       | mol·H+.eq                | 0.033                |
| <b>Eutrofication</b> Freshwater     | kg·P.eq                  | 0.0015               |
| <b>Eutrofication</b> Marine         | kg·N.eq                  | 0.0045               |
| <b>Eutrofication</b> Terrestrial    | mol·N.eq                 | 0.045                |
| Photochemical Ozone Creation        | kg·NMVOC.eq              | 0.019                |
| Ozone Depletion                     | kg·CFC·11.eq             | $1.3 \times 10^{-7}$ |
| Abiotic Material Resource Depletion | kg·Sb.eq                 | $4.7 \times 10^{-6}$ |
| Abiotic Energy Resource Depletion   | MJ                       | 57                   |
| Deprivation-Weighted Water Use      | m <sup>3</sup> ·world.eq | 2.4                  |

| Parameter  | Total (A1-A3)     |
|--|-------------------|
| <b>Primary Energy Resources — Renewable (MJ)</b>     | As Energy Carrier |
|  | As Raw Material   |
|  | <b>Total</b>      |
| <b>Primary Energy Resources — Non-Renewable (MJ)</b> | As Energy Carrier |
|  | As Raw Material   |

| Parameter |              | Total (A1-A3) |
|-----------|--------------|---------------|
|           | <b>Total</b> | <b>72</b>     |

| Parameter                    | Units | Total (A1-A3)        |
|------------------------------|-------|----------------------|
| Hazardous Waste Disposed     | kg    | $1.4 \times 10^{-4}$ |
| Non-hazardous Waste Disposed | kg    | 1.8                  |
| Radioactive Waste Disposed   | kg    | $3.7 \times 10^{-5}$ |

Contact Information

### Key Assumptions for EPD

**INGREDIENTS**  
All upstream sourced. Impacts from global averages (calculated from peer-reviewed LCA databases)

**PACKAGING**  
Excluded

**PRINCIPLE**  
Polluter-pays

**MANUFACTURING**  
Blending only, negligible impact

**METHODOLOGIES**  
EF v3.1, CED, EDIP 2003 (in Tables 2, 3, 4 respectively)

Company: **marek**  
User: **administrator**

Powered by  
**Chemwatch**

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