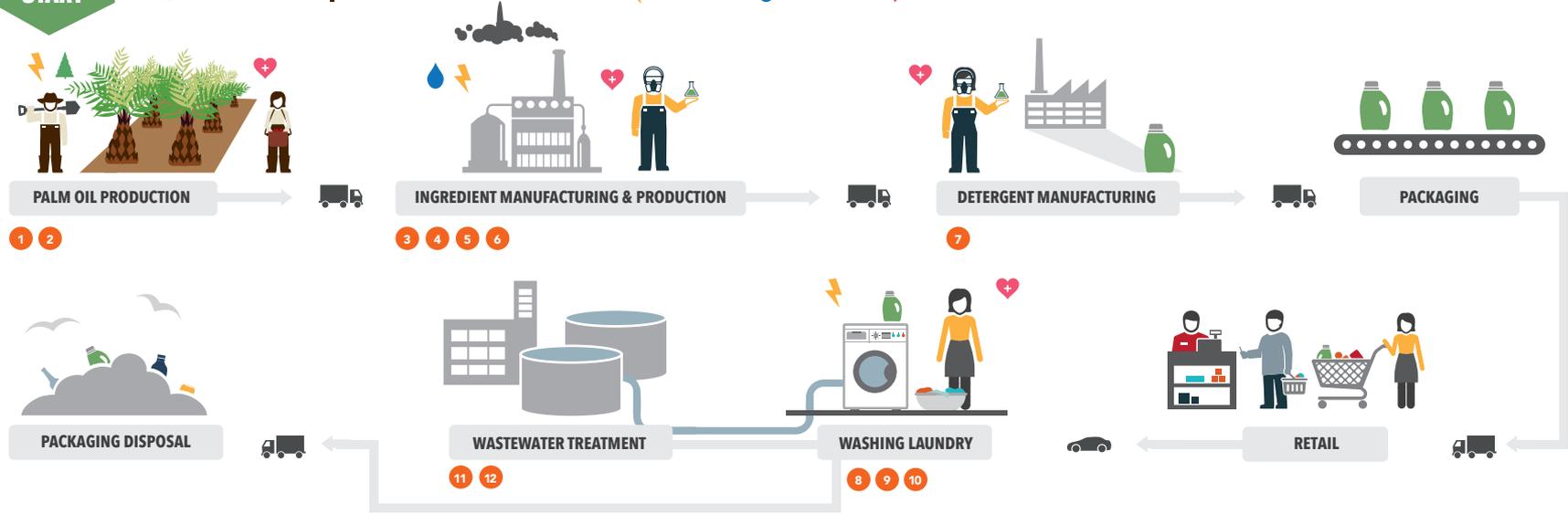




LAUNDRY DETERGENT SUPPLY CHAIN HOTSPOTS

START

🐾 ANIMAL WELFARE 🌳 DEFORESTATION & LAND CONVERSION ⚡ ENERGY USE 💧 WATER USE ❤️ WORKER OR COMMUNITY HEALTH & SAFETY



HOTSPOTS

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1

Palm oil production – Environmental impacts

Palm oil cultivation uses agricultural inputs and energy, and causes deforestation.

2

Palm oil production – Social impacts

Palm oil cultivation causes issues such as worker and community health and safety, labor rights, and indigenous rights.

3

Fossil fuel combustion – Chemical plant operation

Energy used for operating chemical plants depletes resources and releases emissions that can cause climate change.

4

Electricity consumption – Chemical production

Electricity generated to power chemical plants can cause climate change and impact human health.

5

Water use – Chemical plant operation

Producing chemicals can deplete water resources and generate wastewater.

6

Chemical use – Chemical plant operation

Workers can develop respiratory difficulties and skin irritation from exposure to chemicals.

7

Worker sensitization and allergy – Enzymes in manufacturing

Workers can develop occupational illnesses from exposure to enzymes.

8

Water heating and use – Product application

Electricity generated to heat water for washing can cause climate change.

9

Adverse health effects – Product application, laundry detergent

Consumers may experience health issues when using detergent.

10

Electricity consumption – Equipment operation, laundry cleaning

Electricity generated to power washing machines can cause climate change.

11

Greenhouse gas release – Product flush

Gases that are formed when detergent biodegrades can cause climate change.

12

Wastewater generation – Product flush

Some detergent ingredients do not fully biodegrade and may accumulate in or cause toxicity to aquatic life.

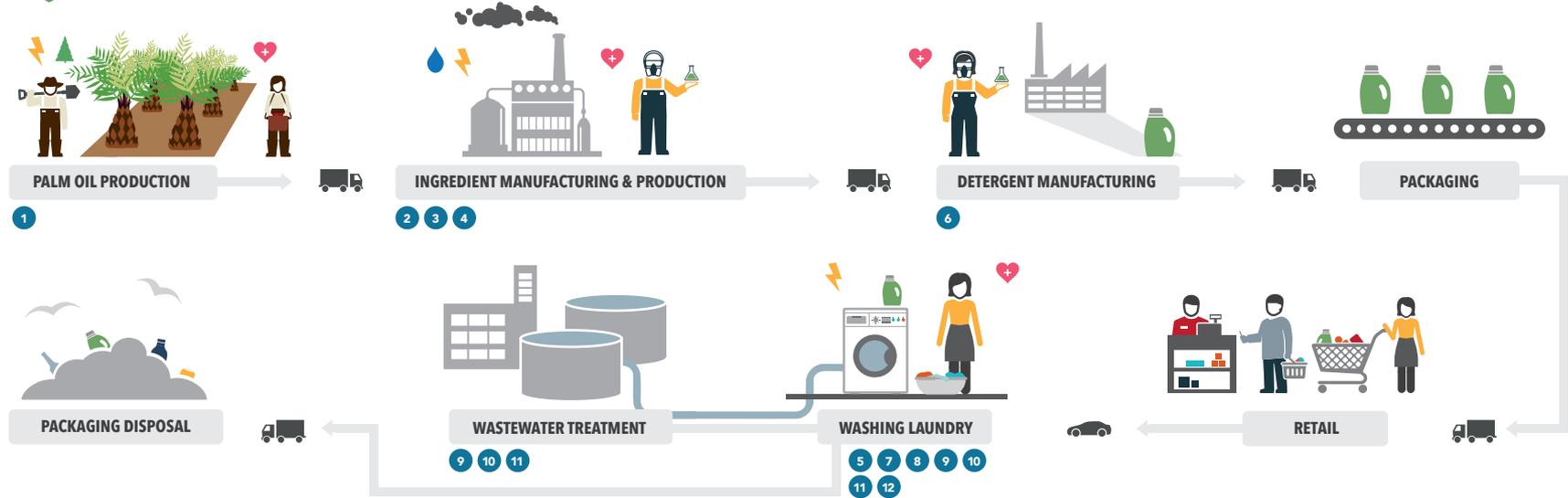


LAUNDRY DETERGENT SUPPLY CHAIN KEY PERFORMANCE INDICATORS



START

ANIMAL WELFARE DEFORESTATION & LAND CONVERSION ENERGY USE WATER USE WORKER OR COMMUNITY HEALTH & SAFETY



KEY PERFORMANCE INDICATORS

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<p>1 Palm oil, palm kernel oil, and derivative ingredient sourcing</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>1 2</p>	<p>2 Greenhouse gas emissions – Supply chain</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>4 5</p>	<p>3 Water use – Supply chain</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>6</p>	<p>4 Worker health and safety – Supply chain</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>3</p>	<p>5 Cold water wash formulations</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>10</p>
<p>6 Worker health and safety – Manufacturing</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>7</p>	<p>7 Ingredient disclosure – Manufacturer to consumer</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>8</p>	<p>8 Priority chemicals – Disclosure</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>8 11 12</p>	<p>9 Priority chemicals – Management</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>8 11 12</p>	<p>10 Priority chemicals – Safety</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>8 11 12</p>
<p>11 Dosage control</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>10</p>	<p>12 Use phase messaging</p> <p>CORRESPONDS TO HOTSPOT(S):</p> <p>9 10</p>			