



# FACT SHEET

## Environmental Impact of WYPALL\* Wipers vs Waste Rag

Kimberly-Clark Professional has prepared this fact sheet to respond to questions regarding WYPALL Wipers, waste rag and the environment.

### Environmental Commitment

Kimberly-Clark Professional has earned a reputation as a company that is committed to managing its environmental footprint. Part of that commitment involves helping customers understand how the environmental aspects of our wiping products compare to alternate choices such as waste rag.

### Environmental Comparison Model

Kimberly-Clark Professional commissioned GHF, an internationally renowned business services consultancy, to build a model that compared the environmental impact of various wiping products. The model compares WYPALL\* Wipers against waste rag and laundered products such as tea towels, face cloths and dorset cloths.

The information the model provides, enables customers to weigh up the various factors that contribute to a product's footprint on the environment, giving them the ability to make the best decision for their business and the environment.

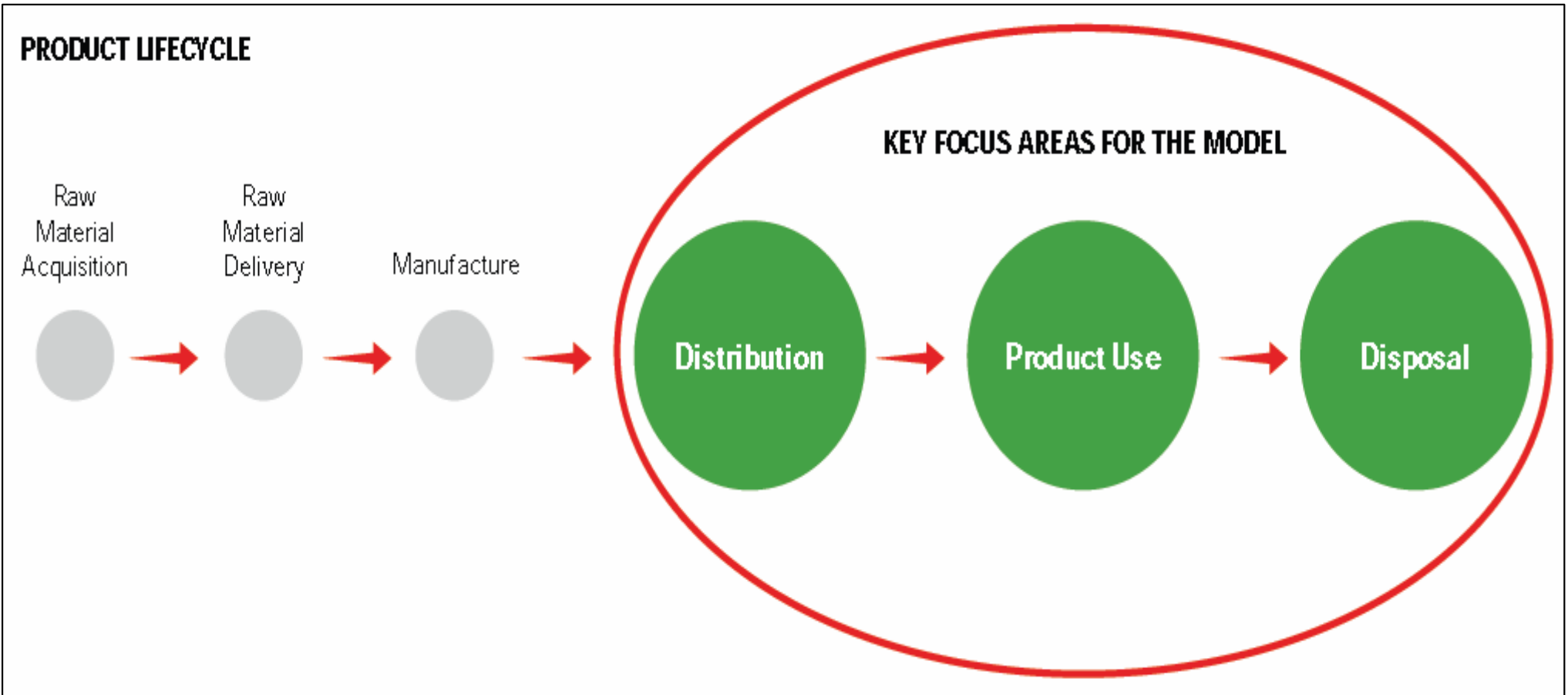
The model gives comparison results for:

- Greenhouse gas emissions and energy consumption in the transporting of product from the supplier to the customer's premise.
- Greenhouse gas emissions and energy consumption in the transporting of waste product from the customer to the landfill site.
- The comparison of waste volume occupied in landfill.
- Percentage bio-gradable breakdown of waste in landfill.
- Greenhouse gas emissions generated due to the degradation of waste product in landfill.



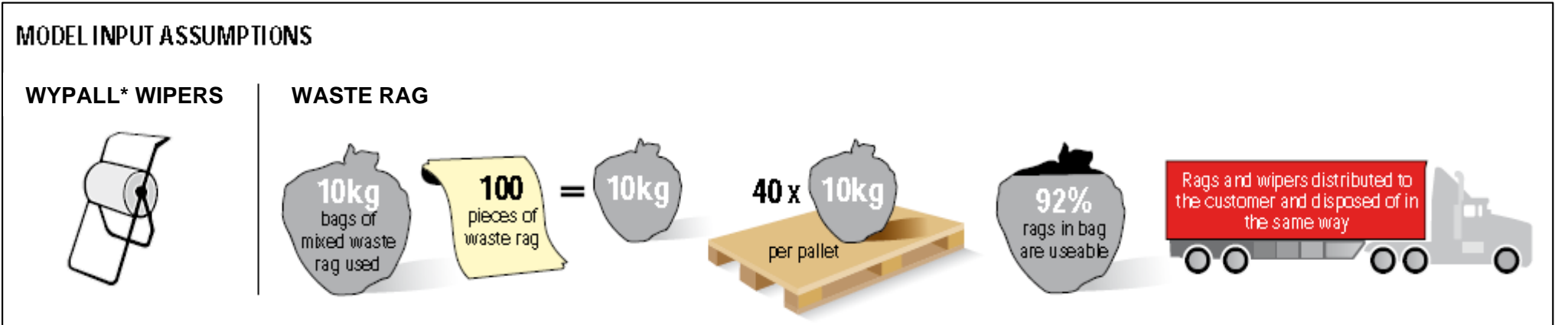
## What does the Model Measure?

The model snapshots the part of a wiping products lifecycle, beginning with the assessment of a products distribution to the customer's premises, concluding with an assessment of the products impact at the disposal stage. (see diagram below)



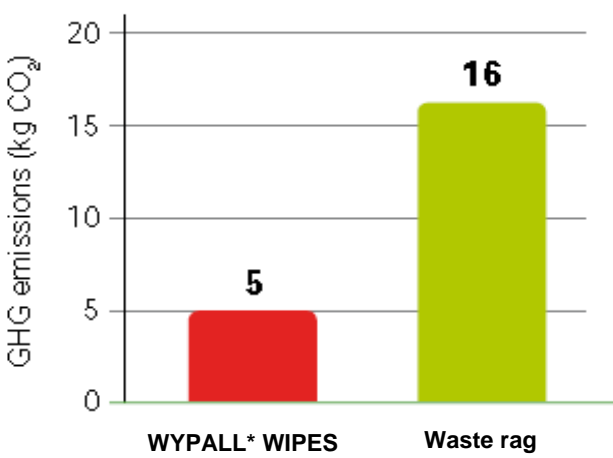
# Environmental Comparison

## WYPALL\* Wipers vs. waste rag



### Key Findings (all calculations based on per million uses.)

INPUT GRAPH DISTRIBUTION TO CUSTOMER – GREENHOUSE GAS EMISSIONS



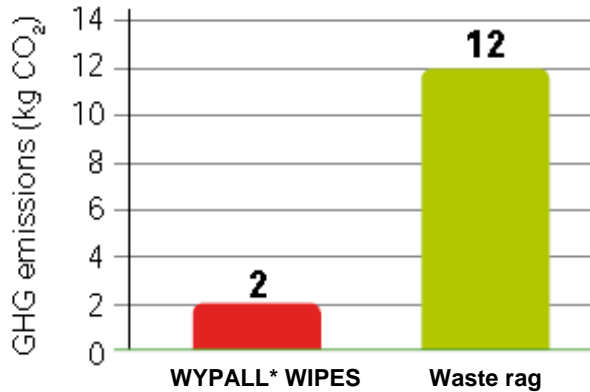
**59% less energy**

is consumed by WYPALL\* Wipers during the distribution and disposal stages compared to waste rag




Waste rag requires enough energy at distribution stage to power 895 homes, which is 3.5 times the energy required by WYPALL\* Wipers.

## INPUT GRAPH DISTRIBUTION TO LAND FILL – GREENHOUSE GAS EMISSIONS



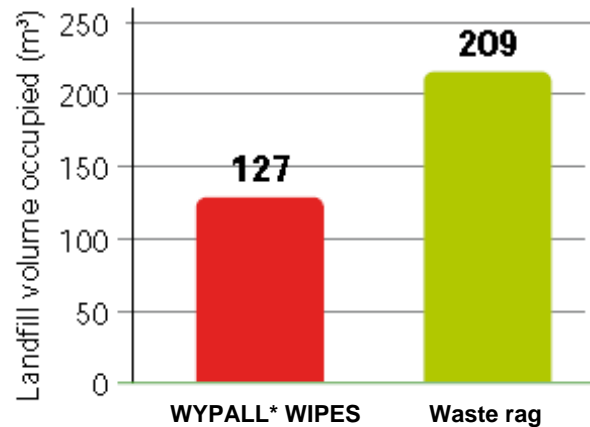
**64% less greenhouse gases**

Are emitted by WYPALL\* Wipers during the distribution and disposal stages compared to waste rag.




Replacing waste rag with WYPALL\* Wipers is equivalent to taking 20 cars off the road.

## INPUT GRAPH DISPOSAL IN LANDFILL – LANDFILL VOLUME OCCUPIED



**27% less space**

Is occupied by WYPALL\* Wipers in landfill compared to waste rag.



Waste rag occupies the same volume as 736 garbage bins (240L) which is a third more than WYPALL\* Wipers

## Conclusion

**WYPALL\* Wipers provide customers with a superior environmental alternative to waste rag.**