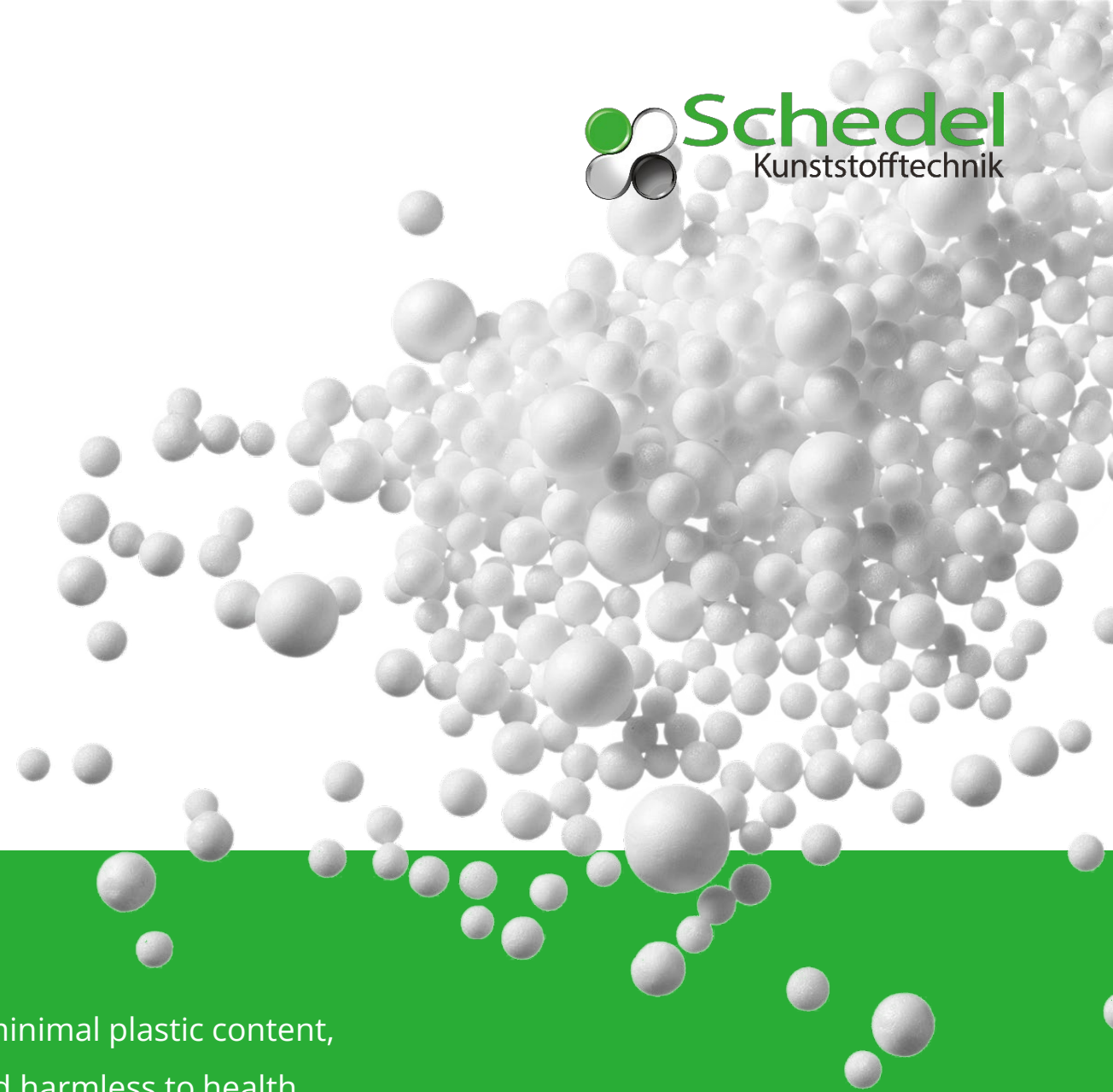


# Sustainable packaging - responsibly with EPS

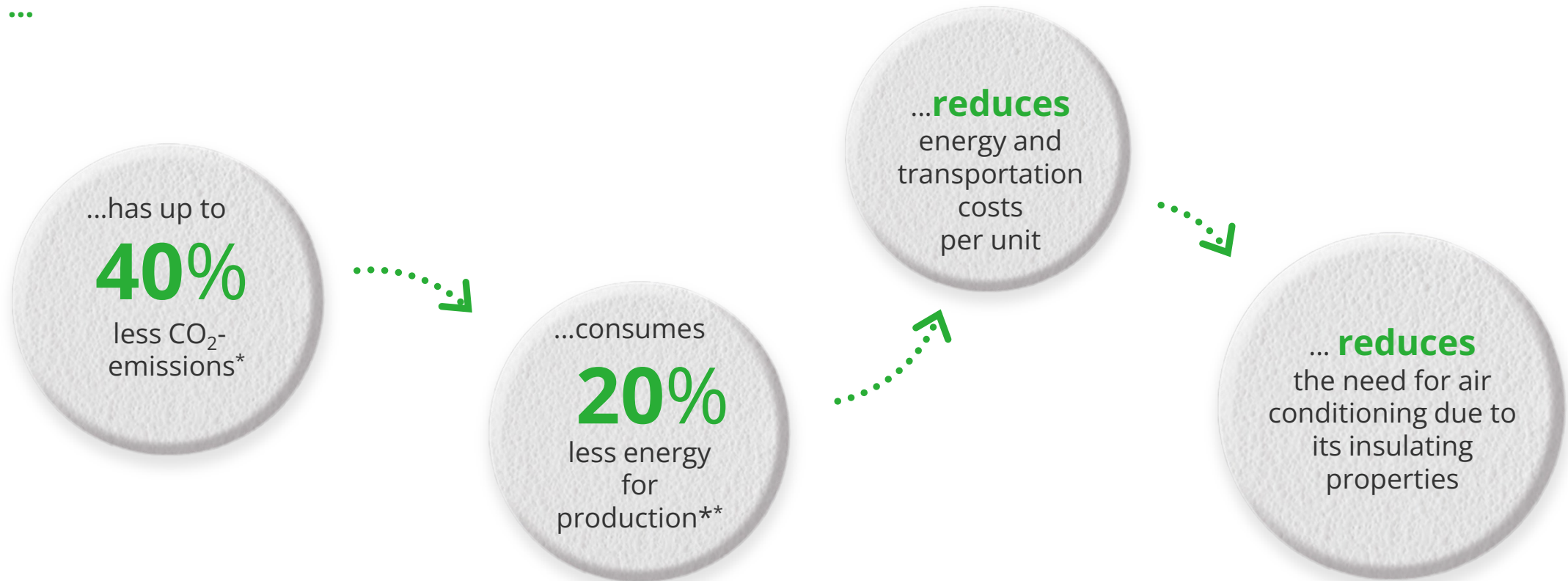


EPS reliably protects what needs to be protected – and, with its minimal plastic content, it conserves resources, is recyclable, environmentally friendly and harmless to health.

# Exemplary ecological balance

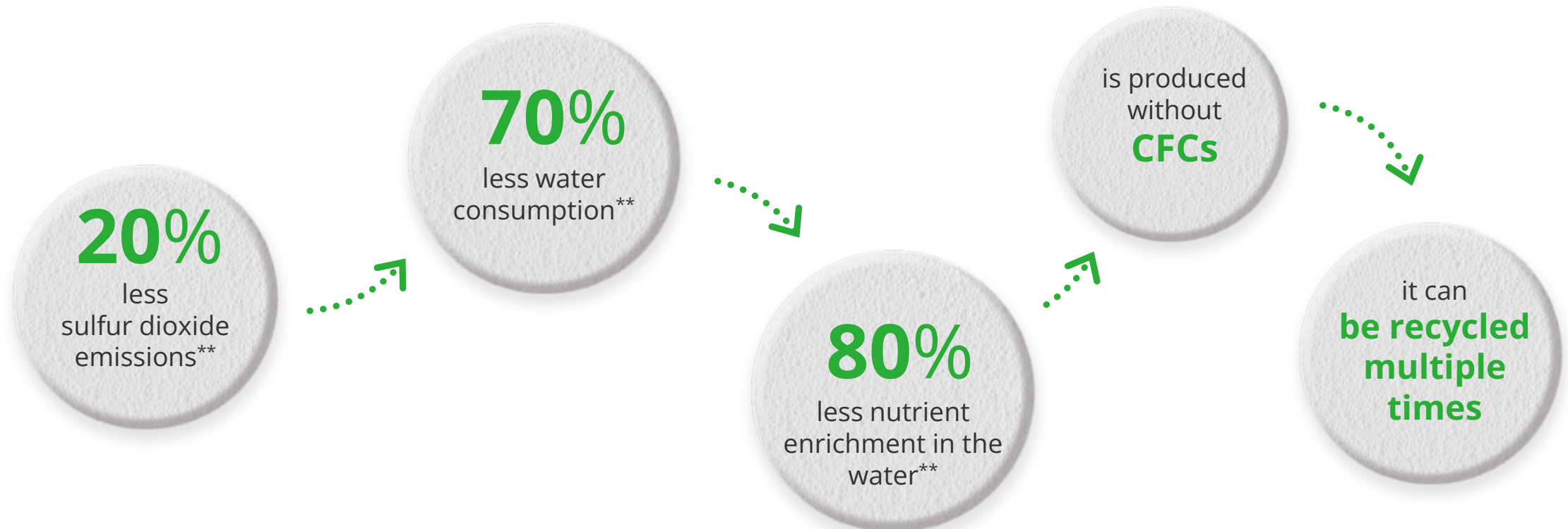
EPS is also the ideal choice from an ecological and economic point of view. Because of its high level of eco-efficiency, product protection through EPS packaging also means climate protection. And all this at a comparatively low cost.

## EPS ...



# EPS beats them all...

A direct comparison with other packaging materials shows: Whether it's production, use or recycling, there is no more sustainable alternative with similar properties and functions to EPS – neither paper, cardboard or paperboard, nor air cushions or bioplastics.



# Quite well recyclable.

Recycling of EPS



**100%** recyclable.

**Uncomplicated, versatile  
and fast recycling:**

**40 %** of all EPS packaging

**67 %** of all commercial EPS packaging  
are already recycled today.



**Mechanical  
recycling**



**Thermal  
recycling**



**Chemical  
recycling**

# Quite versatile.

It protects what needs to be protected.

**When high insulation, protection or impact resistance is required:**  
EPS is the ideal lightweight packaging material for tough cases.

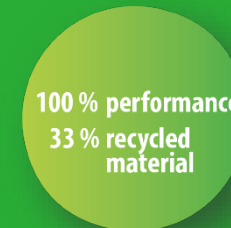


**Numerous industries have already recognised the advantages of EPS**

# Successful circular economy with repor® 33

repor® 33 is an expandable polystyrene granulate (EPS) of the company SUNPOR Kunststoff GmbH. It contains 33% post-consumer recycled EPS, making it a more environmentally friendly product.

We, the company Schedel, process the material repor®33 out of conviction, because it is resource- and climate-friendly in production and can be used in a number of different applications.



# Successful circular economy with repor® 33



Source: Institute for Industrial Ecology, 2022

# BASF: Mass Balance Approach



## Benefits of the Mass Balance Approach

- The volume of alternative feedstock in BASF's production increases in line with demand
- The use of alternative raw materials in the BASF value chain reduces the carbon footprint of products and the need for fossil raw materials for mass-balanced products
- Quality, performance and properties of our products remain the same compared to the conventional twin
- Mass-balanced products can be processed like conventionally produced materials



MORE INFORMATION



# Disposal instructions



EPS rigid foam can be recycled as material, as raw material or thermally. When disposing of waste, the regulations and laws of the respective countries must be observed. EPS is not a hazardous waste; it can be disposed of in regulated household and commercial landfills and treated in waste incinerators without any problems. Waste code: 170203 plastic

Sorting out EPS from the yellow bag and then recycling it also works. The use of innovative infrared technology makes it possible to separate EPS from the plastic fraction and collect it separately. The separated EPS was then granulated and foamed in the extruder. The result was high-quality recycled EPS, also known as **rEPS**..

# Facts about EPS

Together with IK Industrievereinigung Kunststoffverpackungen e.V. (German Association for Plastics Packaging), we have made it our mission to provide information about the material and educate people about the sustainable properties of EPS.

## FACT 1

EPS is easy to dispose of.

## FACT 3

EPS is food-safe and hygienic.

## FACT 5

EPS is sustainable.

## FACT 2

Alternative packaging is not automatically better.

## FACT 4

EPS is climate-friendly.

## FACT 6

EPS is successfully recycled.



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