

Dr. Schumacher



Effective. Innovative. *Sustainable.*

S U S T A I N A B I L I T Y B R O C H U R E

Our content: simple and sincere

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Protecting health *means protecting* the environment

As a **hygiene specialist**, environmental protection is extremely important to us. We are very aware of the influence that we have on the environment – directly and indirectly. Every action we take affects the health of those who live in it and next to us. We develop our products so that they have as little impact on the environment as possible while effectively protecting

the health of patients and users. **Sustainable environmental protection** always takes health into account, and health protection means environmental protection. That is our guiding principle. Today, we are setting the course for the sustainable **health protection of tomorrow**.



Efficient protection, *innovative* ingredients

When it comes to developing **effective disinfectant and hygiene products**, we believe that less is more. Dr. Henning Schumacher founded his company based on this idea – only use what is **necessary**. What isn't needed, doesn't go in. Dr. Schumacher's success is based on this principle. We are constantly developing

new formulas that **use fewer resources, yet are more effective**. This way, we avoid excess use of important and sometimes limited raw materials. We make sure that our selected ingredients are gentle on people, materials and the environment.



We only use
necessary ingredients.



New formulas are **more effective**
while using **less resources**.



Active ingredients **protect** people,
materials and the environment.

Rapid disinfection *with excellent* **biocompatibility**

Our sporicidal surface disinfectant, ULTRASOL OXY® combines **many advantages** into one high-level product. ULTRASOL OXY® consists of 99 % bio-degradable ingredients. The **two active ingredients, peracetic acid and hydrogen peroxide**, ideally mix to efficiently disinfect surfaces and medical devices.

After use, only harmless biproducts – **oxygen, vinegar and water** – remain. These are biocompatible substances that are also compatible with nearly all materials. With ULTRASOL OXY® we promote sustainable health protection, which is particularly important in high-risk areas.

FULLY SPORICIDAL ULTRASOL OXY®



High performing, *organic* materials

The amount of waste in hospitals and nursing homes is extremely high. And due to the increased hygiene safety offered by single use products, it will remain so in the short term. Dr. Schumacher is committed to reducing waste in healthcare and has begun focusing on sustainable waste disposal. With our DESOTEX Bio nonwoven, organic fleece material, we are showing the industry what is already possible today. The wipe material is made from **100 % renewable raw mate-**

rials and is completely biodegradable. In addition, the structure of the **organic fleece material** traps more dirt than comparable, traditional PET fleeces. A disinfectant wipe with DESOTEX Bio fleece can therefore clean and disinfect a larger area – resulting in **less wipes needed for more cleaning!** This means that healthcare facilities will have less waste to dispose of afterwards.

Almost every second wipe from Dr. Schumacher is already organic!



Innovation *grows* here

With our DESCOSEPT SENSITIVE WIPES, we combine two renewable powerhouses: our DESOTEX organic, bio-degradable fleece and **100 % organic-ethanol**. Organic ethanol is produced through an organic fermentation (e.g. fruit). Because this combination works so well, DESCOSEPT SENSITIVE WIPES offer numerous advantages. They have a comparatively low

alcohol content, but still offer comprehensive efficacy within a short time. The low ethanol content also makes them **material- and skin-friendly**. But most importantly, our DESOTEX organic fleece, combined with bio-ethanol, cleans and disinfects **a larger area** than comparable products with polyester or plastic fleece.



DESOTEX[®]
BIO



DE Medizinprodukte- und Oberflächendesinfektion
EN Medical device and surface disinfection
FR Désinfection des dispositifs médicaux et des surfaces

PT Desinfecção de dispositivos médicos e de superfícies
TR Tıbbi ürün ve yüzey dezenfeksiyonu



Winner: *Innovative* **Packaging**

An important key to environmental protection is to reuse and recycle as much material as possible. We at Dr. Schumacher are constantly working on improving our packaging solutions. The recyclability materials and the **use of recycled materials** play a major role in this. In developing the product packaging that won an **award from the German**

Packaging Institute, Dr. Schumacher created the technical prerequisites to create an innovative foil a successful finished product. Our packaging solutions **reduce packaging waste** and at the same time **conserve resources** in the long term. In this way, we promote more responsible consumption while supporting safe hygiene.



Reduce. *Reuse.* Recycle.

An important rule for environmental protection: **Reduce, reuse and recycle materials**. That sounds simple, but it is not easy to implement in our industry where waste disposal is strictly controlled and existing regulations and quality standards are high. Still, we at Dr. Schumacher have figured out a way to

increase recyclability. We are switching our wipes disinfectant packaging to so-called **mono-composite films**. Mono-composite films consist of only one material, which makes them recyclable. We have already replaced 60 % of our film packaging and will reach **80 % by the end of 2024**.



Less plastic, same quality

Lower material consumption without sacrificing quality – that was the goal in redesigning our 500 ml bottle. The bottle is now **13 % lighter**, resulting in approximately **18 tons less plastic used** per year when compared to our old 500 ml bottle. We used an algorithm to determine where the bottle needed more plastic for stability and where we could use less. This has allowed us to reduce the consumption of valuable

raw materials in the production of our disinfection and hygiene products. Lighter bottles also reduce CO₂ emissions during transport, as the total weight is also lower. This small change in packaging allows us to reduce plastic consumption and decrease emissions while **still ensuring a safe and effective product** for users in hospitals, clinics, nursing homes and other professional areas.



**13 % LIGHTER
500 ML BOTTLE**



**18 TONS LESS
PLASTIC EACH YEAR**



**100 % SAME
QAULITY**

Securing patents, **shaping** *the future*

We ensure our **continued progress and longevity through patented processes, packaging and formulas**. Progress helps us adapt to our economy and future challenges. Future technologies are in demand. We at Dr. Schumacher are doing pioneering work in the **research and development** of future

hygiene solutions – ensuring that our products are effective, safe and easy to use for decades to come. With over **550 patents**, registered utility models and proprietary formulas, we are determining today what health protection will look like tomorrow.

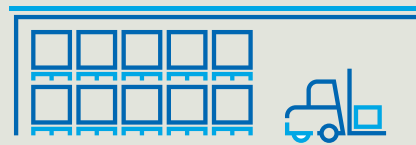


Progress safely

with each step

We deliver. From the first hint of an idea through to the use of our products, we **work closely with our partners** to meet their needs – **creating trust and long term, mutually beneficial business relationships**. This is how we protect your health. Security and stability are important throughout the supply chain. We manufacture in Europe and source

most of our raw materials and packaging from European suppliers, becoming more independent of Asian suppliers in recent years. From purchasing raw materials, joint product planning and production, logistics and transport – we accompany our partners every step of the way, **moving forward together**.



*storage and
transport*



*hospitals and
drugstores*



*raw materials
delivery*



*planning and
production*

Our production in Lubán, Poland. The largest wipes production in the EU.

Fair supply chains, for today *and for the future*

A sustainable and ethical supply chain? We have it! As a German company, we fully meet the requirements of the German fair supply chain laws and have even been recognized for our efforts by **EcoVadis**. We rank among the **top 20 % of manufacturers in our industry** for supply chain sustainability. We are proud

of our accomplishments, but are also continually working to improve ourselves further. Together with our business partners and suppliers, we look at each area of our supply chain in detail to identify and minimize risks early on. **This protects you, us, our partners and the environment.**



BRONZE | Top 35%

ecovadis

Sustainability Rating

OCT 2024

Lowering emissions, **increasing commitment**

As a manufacturer, we have both a direct and indirect impact on the environment. This includes our CO₂ emissions, our waste water and waste disposal and noise generated during the manufacturing and transport of our products. We recognize that each step of the process also affects the people around us and strive to **keep our emissions and environmental impact as low as possible**. Every year we publish an

environmental statement that reviews our environmental footprint and highlights what we have already achieved. Measuring and tracking our efforts and impact is the first step to continued improvement. EMAS, the EU Eco-Audit system preferred by the European authorities for measuring climate protection, sustainability and resource conservation, has audited and recognized our efforts **12 years in row!**



Renewable energy *and green electricity*

Energy is precious and should be sourced sustainably whenever possible. Dr. Schumacher uses **100 % green electricity from renewable energy sources**.

And thanks to more efficient machines and systems, we have also been able to reduce our electricity consumption. The **energy consumption** of our

employees is decreasing every year and is at its lowest level since we started recording it. The total amount of energy we use each year is also falling. We heat our warehouse with the heat generated in our server rooms. For more information on other energy saving measures, **see our environmental report**.



Exceeding standards *and raising* **the bar**

Our innovative and high-quality products for disinfection and hygiene and our commitment to society set us apart from the competition. With our commitments, we improve the daily work of users in hospitals, nursing homes and everywhere **effective hygiene** is required. We guarantee the

quality of our product solutions – **now, tomorrow and in the future** – by exceeding required **standards, norms and legal requirements** for disinfectant and hygiene products. We even go one step further and set new standards with our innovations for all who follow.

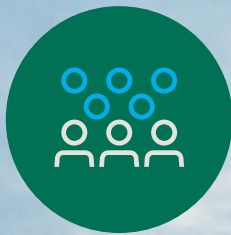


Supporting *our* community

Connection to our local communities is important to us. At our headquarters in **Malsfeld, Germany as well as in Lubań, Poland**, where our wipes production is located, we have become an integral part of the community. We have historical ties to the residents and have lived side by side for decades. We support

local non-profit associations and sports clubs with targeted donations and long-term sponsorships.

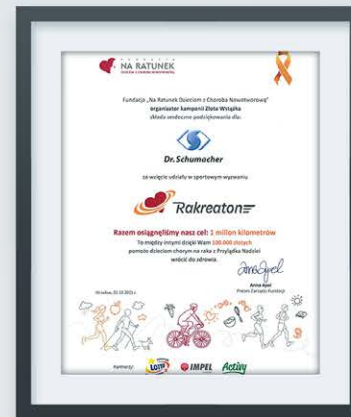
We have a **responsibility to our environment** and our fellow human beings and want to be involved as part of the community.



A familial connection **spanning** across borders

Our production in Lubań is an important piece of our company history. From the very beginning, we have been involved in the surrounding community and the region. We support **children's hospices** and **equip common rooms in children's hospitals** with new furniture and toys. We also work closely with schools and universities in the area. Together with students

from the **University of Wrocław**, we designed and renovated a new lecture hall. We are also increasingly committed to German-Polish economic relations and participate on the **board of the AHK Poland** (German-Polish Chamber of Industry and Commerce). From Lubań, we also coordinate our aid deliveries to Ukraine.



A strong team,

connected like family

Our colleagues are more than just a part of the team – they are the most important part of the **Dr. Schumacher family**. And we are particularly committed to our family. We offer our colleagues the best conditions to work with us and promote environmentally friendly habits: **home office, bike**

leasing, charging stations for electric cars and **further training**. We strive to strengthen our teams and give everyone the opportunity to develop further in their team and their work and to uncover new potential. This is our **investment in the people, the region and in Dr. Schumacher**.



Planting roots in the region

Bringing young people closer to their region – that is the goal of the **Irmhild Elisabeth Schumacher Foundation**. Founded by co-owner and advisory board member, Irmhild Elisabeth Schumacher, the foundation strengthens the regional ties of school-children and supports them with regional

educational opportunities. Young people need roots that stabilize them and strengthen their abilities, but they also need wings to encourage them to develop and grow. The Irmhild Elisabeth Schumacher Foundation supports them in this and strengthens their **regional ties**.



IRMHILD
ELISABETH
SCHUMACHER
STIFTUNG

Good on paper,

even better in practice

Dr. Schumacher GmbH – we are over 1,600 employees in eight countries who work every day on highly effective, low-hazardous and user-friendly hygiene solutions. We are one of **Europe's leading developers and manufacturers** of quality products in the areas of disinfection, hygiene, cleaning, care and cosmetics

for medical users and consumers. With our location in Lubań, we are the **largest manufacturer of wet and dry wipe products in the EU**. The guiding principle of our company founder still holds true: people and their health are at the center of everything we do!



8 *Locations worldwide*



active in over **70** *countries*



over **1,600** *employees*



over **68.5** *% equity ratio*



10.2 *% growth per year since 2014*



over € **128** *million invested since 2014*



over € **200** *million revenue in 2023*



approx **325** *million units produce each year*



over **11,000** *tons disinfection solution each year*



over **550** *formulas*

Building with principles

Trade shows and exhibitions require high levels of logistics and transport for both people and materials. The result is an excess amount of CO₂ emissions and resource consumption. Dr. Schumacher takes measures to actively reduce our footprint, while still participating in these critical industry gatherings. We set up and dismantle our exhibition stands with our team and exhibition builders in an environmen-

tally friendly way – **CO₂-neutral from transport to dismantling**. We rent furniture instead of buying or building new items and our builder recycles materials (e.g. wood) if they can no longer be used. We use fabric walls that can be **upcycled into individual carrier bags**, which are made in local community workshops for people with disabilities.





CO₂-neutral exhibition stand from transport to dismantling

Rented exhibition furniture and flooring

Reworking and recycling of wood

Upcycling of wall fabrics into bags

Reducing

our *footprint*

We monitor our corporate carbon footprint so we can measure our impact on the environment. We calculate **all CO₂ emissions** arising from production, energy mix and supply chain, and use the data to proactively find opportunities to improve. We also

consult our suppliers on how they can further reduce their CO₂ emissions. Our goal is to reduce emissions (including from our suppliers) **by 50 % by 2030**.

With the knowledge gathered from our oversight, we can plan for the future with confidence.



Taking charge of the future

Dr. Schumacher will be CO₂ neutral at all locations by 2045! 2045 may still sound like a long way off, but we are already reducing emissions that we can directly influence. Our strongest lever is the energy mix, which is already **100 % sourced from renewable sources** at our headquarters in Germany. The switch to renewable sources across the Schumacher group is already under

way. Electricity production from our own photovoltaic systems will also be expanded. Our aim is to use all available space on our company buildings efficiently. Heating systems, vehicle fleet, air exchange in production – we are **optimizing everything that requires a lot of energy** with a clear goal in mind: CO₂ neutral by 2045!



Thinking *about tomorrow* today

Our economy will be **restructured in an environmentally friendly way**. There is no way around this in the coming years. So what is stopping us from taking the first step? Today we can help shape the way forward and set an important course. One thing is certain: **together we will shape the world of tomorrow**. We approach challenges pragmatically,

break new ground and develop product solutions that were previously unimaginable. There is a lot of work to do in hospitals and nursing homes and we will all have our role to play. So let's get to work and do it together, sensibly and on equal footing.

Are you with us?



Learn more

on our website

Find out more about how Dr. Schumacher is committed to protecting the environment. You can find **all information** about our innovative products on our website. You can also access our

comprehensive environmental statement there, in which we show each year where and to what extent we have reduced our emissions.



COMPANY

Responsibility to the
environment & people
for over 40 years

Responsibility and sustainability

LERAN MORE



Learn more on our website!

www.schumacher-online.com/en/company/responsibility-and-sustainability

www.schumacher-online.com

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Dr. Schumacher GmbH

Am Roggenfeld 3

34323 Malsfeld

Germany

P +49 5664 9496-0

F +49 5664 8444

info@schumacher-online.com

www.schumacher-online.com

www.schumacher-online.com



Contact

Dr. Schumacher GmbH
Am Roggenfeld 3
34323 Malsfeld
Germany

P +49 5664 9496-0

F +49 5664 8444

internationalsales@schumacher-online.com

www.schumacher-online.com

