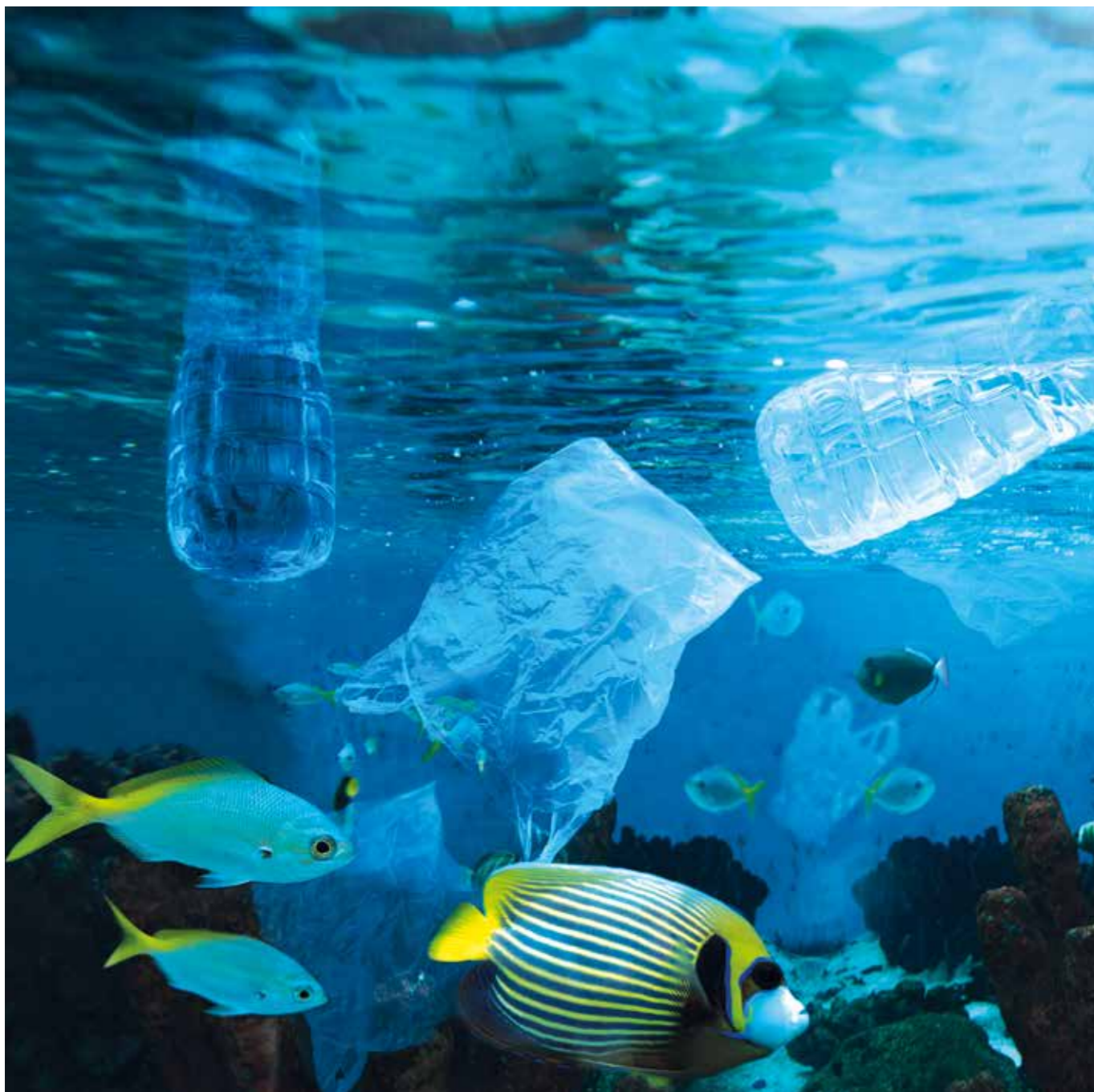




WOULD YOU SEND THIS
POSTCARD TO YOUR FAMILY?



The shocking figures below show how dramatic the current situation is:

10

TONNES*

of plastic are produced
every second¹

1

TONNES

ends up in the sea
every two seconds²

In **2050**

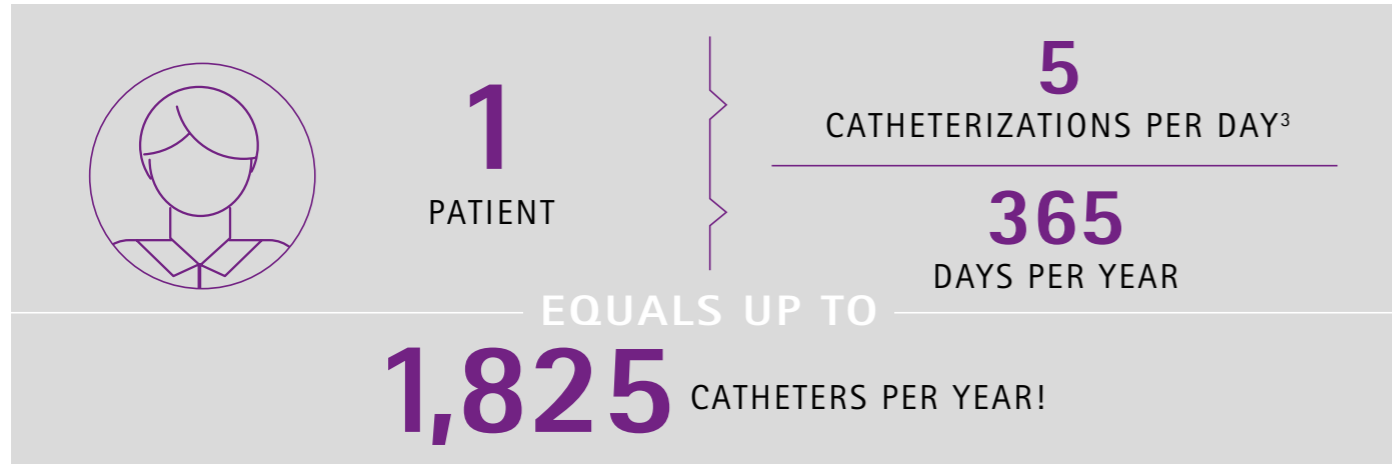
oceans will contain more
plastic than fish.²

* 1000 kg = 1 tonne

1. <https://www.nationalgeographic.fr/le-plastique-en-10-chiffres> (03.07.2020)

2. <https://www.gouvernement.fr/en-2050-il-y-aura-plus-de-plastiques-que-de-poissons-dans-les-oceans> (03.07.2020)

What do these figures have to do with intermittent catheterization?



Intermittent catheters have an environmental impact

ACCORDING TO A US STUDY⁴:

- 1.5 million catheters are used every day in the USA
- Volume equivalent to more than 26,000 cars per year

THE REASON IS THE CATHETER PACKAGING

Aluminum foil



Hard plastic foil



“WHAT WOULD THE IMPACT ON OUR PLANET BE?”

3. Block B. *and al.* EAU Guidelines in Neuro-Urology. Neuro Urology, March 2016. <https://uroweb.org/wp-content/uploads/EAU-Guidelines-Neuro-urology-2016-1.pdf>

4. Sun AJ, Comiter CV, Elliott CS. The cost of a catheter: An environmental perspective on single use clean intermittent catheterization. Neurourology and Urodynamics. 2018;37:2204-2208. <https://doi.org/10.1002/nau.23562>

ACTREEN®

has the best
environmental
performance in terms
of packaging.⁵



ACT
green

ACTREEN®

INTERMITTENT CATHETERS

WHERE ECO-INNOVATION MEETS PRODUCT SAFETY

5. F. Bouton EVEA, 16 May 2017. Environmental comparison between Actreen® Hi-Lite range and competitors products. External Report. Data on file.

ACTREEN®

The catheter with minimalist design and less packaging material helps to reduce the environmental impact.



The most lightweight product to improve waste management⁵

- Actreen® Hi-Lite Cath: 9.7 g
- equivalent competitor product: 20.8 g



Environmentally friendly catheter material

- catheter material made of TPO (thermoplastic polyolefin)
- no PVC



The multifunctional material made of a low number of components enables improved recycling.

THE FILM PACKAGING:

- protects the catheter before catheterization
- allows aseptic use during catheterization

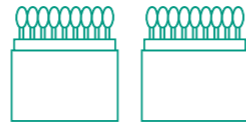


Catheter

Actreen® eco-design

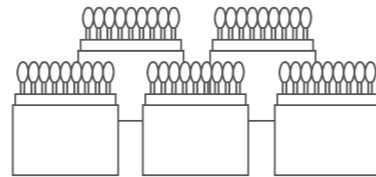
reduces the waste weight

49 g Actreen® Hi-Lite Cath = 2 packs of cotton swabs



One day

104 g other catheters⁵ = 5 packs of cotton swabs

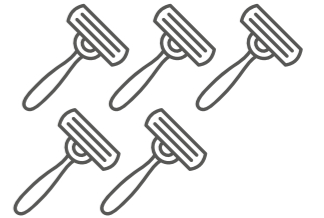


80 g Actreen® Hi-Lite Set = 10 disposable shavers



One day

193 g other catheters⁵ = 24 disposable shavers



Actreen® eco-design

reduces waste in volume:



Catheter

18 kg Actreen®
Hi-Lite Cath

39 kg other
catheters⁵

One year

Using Actreen® Hi-Lite Cath saves the equivalent
of **2** years
of accumulated bathroom waste.⁶

Catheter set

29 kg Actreen®
Hi-Lite Set

70 kg other
catheters⁵

One year

Using Actreen® Hi-Lite Set saves the equivalent
of **4** years
of accumulated bathroom waste.⁶



5. F. Bouton EVEA, 16 May 2017. Environmental comparison between Actreen® Hi-Lite range and competitors products. External Report. Data on file.

6. http://www.actu-environnement.com/ae/news/tri_dechets_salle_de_bains_francais_eco_emballages_garnier_9761.php4 (03.07.2020).

Eco-friendly Actreen® catheter material



ENVIRONMENTALLY FRIENDLY

TPO (thermoplastic polyolefin) is also referred to as "PBE" polyolefin-based elastomer.

TPO:



TPO is a chemically resistant polymer which does not contain plasticizers, meaning it has fewer leachables and extractables than soft PVC.

Eco-innovation Actreen® foil packaging

THANKS TO ITS LIGHTWEIGHT FILM MATERIAL:

Actreen® has an environmental advantage due to its low waste management impact, both in terms of weight and volume.⁵



Other catheters' packaging components:⁵
- aluminum foil
- hard plastic



LOWER DENSITY COMPARED TO PVC

With a lower density than PVC, we need less TPO than PVC to generate the same product. This leads to reduction in material, consumption and waste.⁷



NO TOXIC COMPOUNDS

TPO consists solely of carbon and hydrogen. It neither contains chloride nor any other "halogen" which means that it can be incinerated without any release of dioxin or other toxic compounds.

Did you know?



Actreen® foil packaging is recyclable. When incinerated, the plastic material does not release toxic compounds.

(Dispose of the product according to current local regulations.)

7. Xiong Wang and al. Toughened High-Flow Polypropylene with Polyolefin-Based Elastomers, Polymers 2019. 11, 1976; doi:10.3390/polym11121976

5. F. Bouton EVEA, 16 May 2017. Environmental comparison between Actreen® Hi-Lite range and competitors products. External Report. Data on file.

B. Braun historical commitment



ISO 14001 EMS

Environmental management system:
Since February 2004 for Nogent le Rotrou factory



ISO 13485

Since 1996: Medical devices
quality management system
requirements for regulatory purposes



ISO 45001

Occupational health and safety management
since 2011



FDA

Food and Drug Administration
(American market)



Actreen® 22 years and counting,

with the same eco-friendly DNA



Actreen® Glyc

2004

NO WATER SACHET
No aluminum foil
PE film
Ready to use products



Actreen® Lite

2009

2010

REDUCED PACKAGING
First eco-design
generation
Increased ease of use



Actreen® Mini

2013

2014

TPO CATHETER MATERIAL
No PVC
Esthetic design for woman
User friendly⁸



Actreen® Hi-Lite


2016

NEW DESIGN
Lightest generation
of male catheters
Discreet and convenient⁹


8. Bassas A. and al. mini catheters - Do they facilitate intermittent urinary catheterization? Poster presented at XXXVII National Congress of Nurses, Saragossa. October 2016.


9. Satisfaction survey performed with 198 French Actreen® Hi-Lite users, November 2016. Results: Discretion rated at 79 percent, ease of use rated at 93 percent.


Actreen® Mini Cath

	CH	Ø (mm)	Units/box	Ref.
ACTREEN® MINI CATH - 9 cm (catheter)				
	08	2,7	30 + 1 discreet pouch	228008*
	10	3,3	30 + 1 discreet pouch	228010*
	12	4,0	30 + 1 discreet pouch	228012*
	14	4,7	30 + 1 discreet pouch	228014*
	16	5,3	30 + 1 discreet pouch	228016*


Actreen® Hi-Lite Cath

	CH	Ø (mm)	Units/box	Ref.
TIEMANN - 41 cm				
	08	2,7	30 + 1 discreet pouch	238108*
	10	3,3	30 + 1 discreet pouch	238110*
	12	4,0	30 + 1 discreet pouch	238112*
	14	4,7	30 + 1 discreet pouch	238114*
	16	5,3	30 + 1 discreet pouch	238116*
	18	6,0	30 + 1 discreet pouch	238118*


	CH	Ø (mm)	Units/box	Ref.
NELATON - 41 cm				
	08	2,7	30 + 1 discreet pouch	238208*
	10	3,3	30 + 1 discreet pouch	238210*
	12	4,0	30 + 1 discreet pouch	238212*
	14	4,7	30 + 1 discreet pouch	238214*
	16	5,3	30 + 1 discreet pouch	238216*
	18	6,0	30 + 1 discreet pouch	238218*

	CH	Ø (mm)	Units/box	Ref.
NELATON - 20 cm				
	06	2,0	30 + 1 discreet pouch	238306*
	08	2,7	30 + 1 discreet pouch	238308*
	10	3,3	30 + 1 discreet pouch	238310*
	12	4,0	30 + 1 discreet pouch	238312*
	14	4,7	30 + 1 discreet pouch	238314*
	16	5,3	30 + 1 discreet pouch	238316*

Actreen® Mini Set

	CH	Ø (mm)	Units/box	Ref.
ACTREEN® MINI SET - 9 cm (CATHETER)				
	10	3,3	30 + 1 discreet pouch	239010*
	12	4,0	30 + 1 discreet pouch	239012*
	14	4,7	30 + 1 discreet pouch	239014*

Actreen® Hi-Lite Set

	CH	Ø (mm)	Units/box	Ref.
TIEMANN - 37 cm				
	10	3,3	30 + 1 discreet pouch	242110*
	12	4,0	30 + 1 discreet pouch	242112*
	14	4,7	30 + 1 discreet pouch	242114*
	16	5,3	30 + 1 discreet pouch	242116*
	18	6,0	30	242118*

	CH	Ø (mm)	Units/box	Ref.
NELATON - 37 cm				
	10	3,3	30 + 1 discreet pouch	242210*
	12	4,0	30 + 1 discreet pouch	242212*
	14	4,7	30 + 1 discreet pouch	242214*
	16	5,3	30 + 1 discreet pouch	242216*
	18	6,0	30	242218*

* For each country, a specific letter is added at the end of the reference root.

By selecting **ACTREEN**[®]
intermittent catheters,
you're helping both your patients
and the environment.

ACT
green

ACT
safe

ACT
free

With
ACTREEN[®]

“Let's **ACT** for
tomorrow!”



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