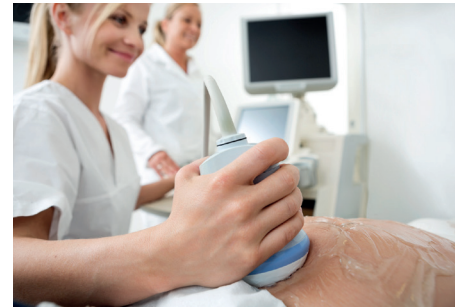


**CONTROLLING THE INFECTIOUS RISK :
OUR EXPERTISE SINCE 1957**



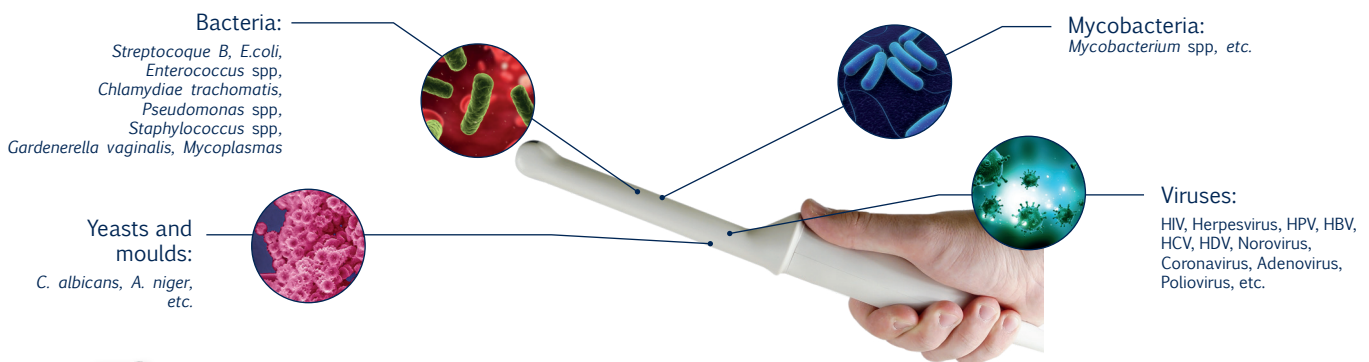
WHO ARE WE?

As a **family business**, Laboratoire Huckert's International develops, manufactures and markets unique disinfectants and cosmetics that are **totally safe** and highly efficient for all of your cleaning and disinfection processes.

The reputation of our laboratory is based on the quality and technicality of its products, its dynamic teams and the subtle balance between **fine chemistry and plant power**.



WHY DISINFECT?



WHY DISINFECT?

IN the right temperature and in the presence of nutrients, micro-organisms replicate every 20 minutes. Thus a tiny quantity of pathogenic germs from a contaminated source may cause fungal, viral or bacterial cross-contamination and may be a source of infection.

It is essential to eliminate any risk of contamination with effective and controlled washing and disinfection procedures before each intervention. Only meticulous control can guarantee professional safety.

DID YOU KNOW?

A dangerous product does not mean an efficient product: There are a number of European standards to help you assess product efficiency. Test conditions must be as close as possible to actual conditions of use, and go beyond basic efficacy tests in suspension (in liquid phase).

“Disinfection is only effective after a surface has been cleaned”: alcohol, chlorinated compounds, peracetic acid, hydrogen peroxide, caustic soda and many disinfectants have no detergent properties. Their disinfection properties are affected by the presence of protein contamination or other interfering agents and by their temperature of use.

OUR MISSION

Expert in high-level bio-decontamination and disinfection. Our mission is to ensure flawless disinfection of all pathogenic flora, even under interference conditions (**bacteria, yeasts, fungi, mycobacteria, spores, non-enveloped viruses and enveloped viruses**) without causing undesirable side effects.

“Do not replace a biohazard with a chemical hazard”



OPERATOR
FRIENDLY



PATIENT
FRIENDLY



EQUIPMENT
FRIENDLY



ENVIRONMENTALLY
FRIENDLY

Our products are **CMR-free, free from endocrine disruptors** and do not present **any risk of corrosion, burns or toxic vapour**.

pH
neutral

✓ **FORMULA FREE FROM**
→ CMR COMPONENTS
→ ENDOCRINE DISRUPTERS

We have always been committed to **manufacturing and controlling our biocides according to the same requirements as our medical devices**. All of our biocides comply with **European Biocide regulation No 528/2012**.

OUR ENVIRONMENTAL COMMITMENT

Sustainability is an integral part of our laboratory's quality management system.

Above all, we encourage our employees to adhere to our **Family Company Values. Quality, health and ethics are at the heart of all our approaches.**

From ensuring our products are non-toxic for the OPEE (Operator, Personnel, Equipment, Environment) to reducing our environmental impact as required by our business.

In order to control environmental risks, we follow the **path of continuous improvement** because nothing can ever be taken for granted. We **analyse, assess, estimate and improve the impact on the environment.**



- ✓ **No toxic or hazardous waste** for the environment in the manufacturing processes of our products.
- ✓ Environmentally friendly.
- ✓ Formulations enriched with **essential oils** and concentrated extracts of **medicinal plants**.
- ✓ "Cold disinfection" for **quick and easy action**.
- ✓ Ready-to-use sprays **with no propellant gas**.
- ✓ A **wide range** of concentrated products.
- ✓ Packaging fully **recyclable**.
- ✓ A contribution to the **processing of recycled waste**.
- ✓ Economical **automatic** mixing and dosing **systems** called "ECONOMATIC".
- ✓ Consistent and traceable quality.

100%
RECYCLABLE
PACKAGING



RECYCLABLE
CARTONS,
PACKAGING AND WIPES.
REMEMBER TO SEPARATE
YOUR WASTE!

COLD DISINFECTION INNOVATION



UMONIUM³⁸
master in disinfection



**NO RESIDUE
AFTER RINSING**



Non toxic

Flame resistant

**Free from
harmful
vapours**

A DISINFECTANT TO SUIT EVERY NEED

It took 38 attempts to obtain the formula that combines **performance, speed, stability and neutral pH.**

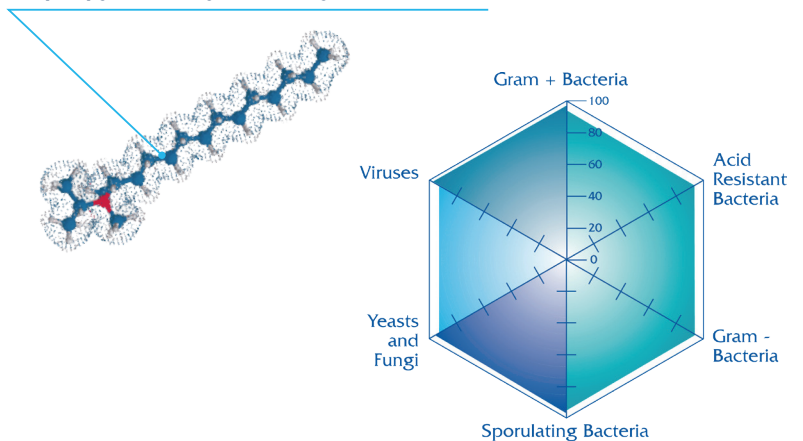
The formulation of UMONIUM³⁸ demonstrates a considerably broader spectrum of activity. **Contact times are short and realistic. Use concentrations are low.** The surfactant nature of the formula provides both a **powerful action** of cleaning, high-level disinfection and the elimination of fatty film, protein and biofilm, by soaking, flow circulation, wet wiping, spraying, foam projection... Cold or hot.

**WE OFFER THE ALTERNATIVE
TO HAZARDOUS, CORROSIVE
CHEMICAL PRODUCTS**

**pH
neutral**

✓ FORMULA FREE FROM
→ CMR COMPONENTS
→ ENDOCRINE DISRUPTERS

Isopropyl-Tridecyl-Dimethyl Ammonium



A NEW CERTIFICATION FOR OUR MEDICAL DEVICES

Laboratoire Huckert's International is in the process of obtaining **MDR regulation (EU) 2017/745 certification** relating to medical devices. It covers a wider scope of products compared to Directive 93/42/EEC and includes new classification rules. Major improvements required by the new regulation include:





- ✓ Enhanced compliance assessment (clinical assessment)
- ✓ Increased post-marketing follow-up
- ✓ Better traceability of products following the implementation of "UDI" (unique device identifier) codes
- ✓ Enhanced risk management
- ✓ Increased transparency with the introduction of European platform "EUDAMED"

NEW CERTIFICATION FOR OUR BIOCIDES

Laboratoire Huckert's International has successfully validated its certification under the BPR (EU) 528/2012 Regulation concerning biocidal products. This regulation covers a broader range of products compared to previous national authorizations. To ensure the highest quality, we have always been committed to manufacturing and testing our biocides according to the same stringent criteria as our medical device-grade products.

Compliance with these new quality system regulations is your guarantee of excellence across our entire range of products for the treatment of both medical devices and biocides.

PROVEN EFFECTIVENESS

SITUATIONS & LABORATORY CONDITIONS		REDUCED BACTERIA	REDUCED FUNGI	REDUCED VIRUSES	REDUCED MYCOBACTERIA	REDUCED SPORES	DISINFECTION PERFORMANCE
PHASE 1	SCREENING TEST 	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	LOW PERFORMANCE ★ Artificial assessment
PHASE 2 step 1	SUSPENSION TEST 	99.9999% 5 log EN 1276 EN 13727 <i>P. aeruginosa</i> <i>S. aureus</i> <i>E. hirae</i> <i>E. coli</i>	99.9990% 4 log EN 1650 EN 13624 <i>C. albicans</i> <i>A. brasiliensis</i>	99.9990% 4 log EN 14476 EN 14476 <i>Poliovirus 1</i> <i>Adenovirus 5</i> <i>Norovirus murin</i> <i>Vaccinia virus</i>	99.9990% 4 log EN 14348 EN 14348 <i>M. avium</i> <i>M. terrae</i>	3 log EN 13704 <i>Bacillus subtilis</i> 99.9990% 4 log EN 17126 <i>Bacillus subtilis</i> & <i>Bacillus cereus</i> <i>Clostridioideus difficile</i>	MEDIUM PERFORMANCE ★★ Limited validation
PHASE 2 step 2	TEST IN DRY CONDITIONS 	99.9990% 4 log EN 13697 <i>P. aeruginosa</i> <i>S. aureus</i> , <i>E. hirae</i> , <i>E.coli</i> 99.9999% 5 log EN 17387 EN 14561 EN 16615 <i>P. aeruginosa</i> , <i>S. aureus</i> , <i>E. hirae</i>	99.9990% 4 log EN 13697 EN 17387 EN 14562 <i>C. albicans</i> <i>A. brasiliensis</i> EN 16615 <i>C. albicans</i>	99.9990% 4 log N/A EN 16777 <i>Adenovirus 5</i> <i>Norovirus</i> <i>Vaccinia virus</i> EN 17111 <i>Adenovirus 5</i> <i>Norovirus</i> <i>Vaccinia virus</i> (<i>Parvovirus</i> > 40° C)	99.9990% 4 log N/A EN 14563 <i>M. avium</i> <i>M. terrae</i>	99.9990% 4 log EN 17846 <i>Clostridioideus difficile</i>	HIGH PERFORMANCE ★★★ Validation close to practical conditions
PHASE 3	TEST IN PRACTICAL CONDITIONS 	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	VERY HIGH PERFORMANCE ★★★★ Validation in practical conditions

STANDARD EN 14885: 2022

EN = European Standard EN XXX = MD/Instruments EN XXX = Biocides EN XXX = Mechanical action N/A = Not Applicable

WHY USE OUR PRODUCTS?



UMONIUM³⁸
master in disinfection

OUR DISINFECTING SOLUTIONS DERIVED FROM FINE CHEMISTRY



WIDE BACTERICIDAL,
LEVURICIDAL,
MYCOBACTERICIDAL,
VIRUCIDAL & SPORICIDAL
SPECTRUM



SAFE
FREE FROM CMR
SUBSTANCES AND
ENDOCRINE DISRUPTERS



NO RESIDUE
AFTER RINSING



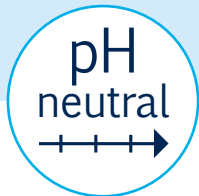
REALISTIC
CONTACT
TIMES



STABLE



FLAME RESISTANT



NON-CORROSIVE



FREE FROM
HARMFUL VAPOURS

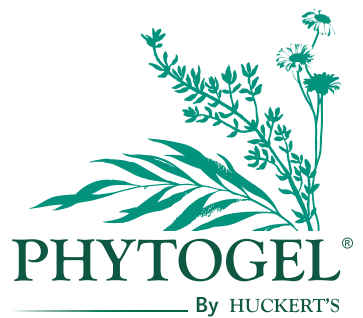


NON-POLLUTING



SURFACTANTS

OUR DERMATOLOGICAL SOLUTIONS DERIVED FROM MEDICINAL PLANTS



NON POLLUTING



NON-STICKY
TEXTURE



HYDROALCOHOLIC GELS
EFFECTIVE AGAINST MRSA
AND CORONAVIRUS



SAFE
INGREDIENTS SELECTED
AMONG THE SAFEST
INGREDIENTS



FREQUENT
USES



SUITABLE FOR THE
ENTIRE FAMILY



DERMATOLOGICALLY
TESTED



100% NATURAL
FRAGRANCE

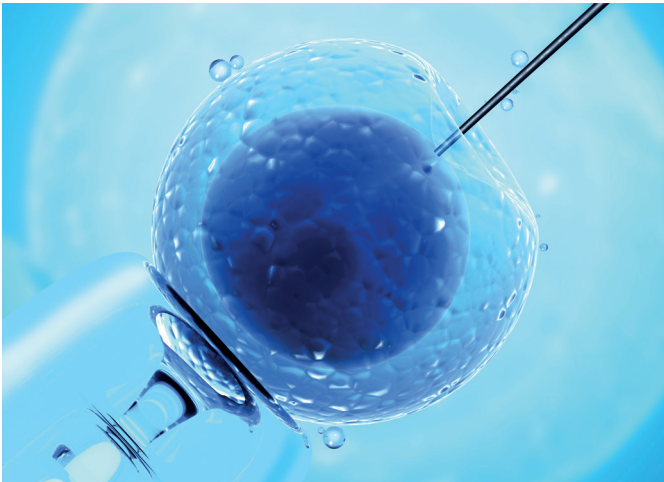


FRAGILE SKINS



FORMULAS WITH
ESSENTIAL OILS

SUPPORTING YOUR BUSINESS SECTOR



From sampling and preservation centres, to laboratories, to the heart of the clinical unit, IVF/AMP services have to deal with very specific issues. Standard disinfection products are not suitable and may interfere with the success of the protocol.

It is imperative to use efficient products that meet the criteria for reproductive toxicity tests to account for their total safety on gametes and to reduce as much as possible in vitro stress that can alter the development of the embryo.

UMONIUM³⁸ NEUTRALIS is the **only medical device-grade range** to date that meets **the highest standards of efficacy** on all pathogens while having validated the MEA (Mouse Embryo Assay) and HSSA (Human Sperm Survival Assay) reference tests .

The range can be used throughout the course to the clinical unit, without any chemical risk or interference. It optimises the chances of protocol success.



ART LABORATORIES



Faced with the risk of contamination and the sensitivity of gametes and embryos, it is essential to use optimally suited products in the laboratory that meet the highest performance standards for all pathogens , in accordance with the new Medical Devices Regulation (EU) 2017/745, and validating absence tests of reproductive toxicity (MEA, HSSA).

The effectiveness of commonly used products is unfortunately incorrectly characterised and increases the risks of contamination and protocol failures (MSC, incubators, all surfaces and equipment, ICSI equipment, cryopreservation equipment, Makler counting chamber, etc.).

CECOS

Within the centres, health safety and cleaning and disinfection procedures must not be neglected. Collection, cryopreservation and transport should be carried out under optimal conditions. The use of products that are not toxic to gametes, embryos and germinal tissues is strongly recommended.

SERVING YOUR INDUSTRY

CLINICAL UNIT

Throughout the clinical course, and regardless of the procedure performed (follicular puncture, intrauterine insemination, embryo transfer, etc.), it is imperative to control the infectious risk. It is inconceivable to use standard products without taking into account the risks of reproductive toxicity.

All medical devices directly involved, and ideally all surfaces, must be cleaned and disinfected using suitable medical device-grade products.

These products must not pose a chemical risk, nor be a source of stress on gametes and embryos, to limit the risk of failure (all surfaces and equipment in the operating theatre, suction pump, instrumentation, imaging/ultrasound equipment, etc.).

ULTRASOUND



Today there is a wide consensus on the contribution of ultrasounds in AMP, whether echo-guided or control ultrasounds.

New recommendations for disinfection of endovaginal probes have been issued, but the use of products such as chlorine dioxide or peracetic acid is incompatible with such sensitive procedures as AMP or obstetrics.

UMONIUM³⁸ PROBES wipes offer an excellent alternative, free from CMR substances or endocrine disruptors, and meeting the highest performance standards for all pathogens.

Their safety is verified including for the embryonic environment, and the protocol is greatly simplified.

Equipment manufacturers **ESAOTE**, **FUJIFILM Healthcare/HITACHI Diagnostic Imaging**, **GE Healthcare** and **SAMSUNG Medison** approve of **UMONIUM³⁸ PROBES** wipes.

UMONIUM³⁸ PROBES

100 DISINFECTING AND CLEANING WET WIPES (200 X 200 mm)

Activity of the soaked wipe:
BACTERIAL, FUNGICAL, SPOROICIDAL
pH 7
Activity of the impregnation solution:
BACTERIAL, FUNGICAL, SPOROICIDAL, MYCOBACTERICIDAL, VIRICIDAL
IN TRAY OR BAGS BY LABEL ON DATE, ON DATE, ON DATE, ON DATE, ON DATE



GE Healthcare

esaote

SAMSUNG
SAMSUNG MEDISON

FUJIFILM
FUJIFILM Healthcare Europe Holding AG

OUR SOLUTIONS TO SUIT YOUR LINE OF BUSINESS

1L = 200L
of diluted
solution



UMONIUM³⁸
NEUTRALIS



Class IIb Medical Device

500
sprays
= 100 sqm



UMONIUM³⁸
NEUTRALIS SPRAY



Class IIb Medical Device

1 Wipe
= 3 sqm



UMONIUM³⁸
NEUTRALIS TISSUES



Class IIb Medical Device

1 Wipe
= 3 sqm



UMONIUM³⁸
PROBES



Class IIb Medical Device

FLOORS, SURFACES AND EQUIPMENT

Particularly recommended for **high-risk environments**, the **UMONIUM³⁸ NEUTRALIS** range offers **fragrance-free medical device products** that are extremely safe (specific biotoxicity tests, safety validated even in embryonic environments).

Meeting the **dual challenge of performance and safety**, it validates the **highest standards of performance** while meeting the criteria for **reproductive toxicity and embryo toxicity tests**. It is used for the pre-disinfection and disinfection phases of the most sensitive invasive and non-invasive surfaces, equipment and medical devices.



100%

RECYCLABLE PACKAGING



PROBES

Specially developed for the disinfection of endocavitary probes (all ultrasound probes and ultrasound scanners) and semi-critical endoscopes without channels, **UMONIUM³⁸ PROBES** wipes are free from toxic fumes and kill germs after 5 seconds.

FORMAT AND CAPACITY

- ✓ Concentrated solution for dilution at 0.5% or 2.5% for application by soaking or wet wiping.
- ✓ 1L of concentrate gives 200L of diluted solution (0.5%).

PACKAGINGS

25mL, 1L and 5L.

EXAMPLES OF APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Invasive and non-invasive medical devices
- ✓ Endovaginal probes
- ✓ Equipment
- ✓ Low and high surfaces
- ✓ Laminar flow hoods
- ✓ Instruments

CONTACT TIME

10 minutes.

FORMAT AND CAPACITY

- ✓ Ready-to-use spray with double nozzle (fine spray or foam) for application by wet wiping.
- ✓ 500 ml can treat a surface of 100 sqm.

PACKAGINGS

500 mL.

EXAMPLES OF APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Benches, MSC, incubators, chair, etc.
- ✓ Medical imaging equipment
- ✓ Cryopreservation and transport equipment
- ✓ Laminar flow hoods

CONTACT TIME

5 minutes.

FORMAT AND CAPACITY

- ✓ Ready-to-use wipes for application by wet wiping.
- ✓ One wipe (20 x 20 cm) can treat a surface of 3 sqm.

PACKAGINGS

Single-dose pouch and dispenser box containing 100 wipes (20 x 20 cm).

EXAMPLES OF APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ All surfaces, equipment and non-invasive medical devices (MSC, benches, incubators, ICSI equipment, etc.)

CONTACT TIME

5 seconds.

FORMAT AND CAPACITY

- ✓ Ready-to-use wipes for application by wet wiping.
- ✓ One wipe (20 x 20 cm) can treat a surface of 3 sqm.

PACKAGINGS

Single-dose pouch and dispenser box containing 100 wipes (20 x 20 cm).

EXAMPLES OF APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ Treatment of endovaginal probes for gynaecological and ultrasound monitoring
- ✓ Ultrasound probes

CONTACT TIME

5 seconds.

OUR SOLUTIONS TO SUIT YOUR LINE OF BUSINESS



DRY WIPES

100 dry wipes to be used in addition to our **UMONIUM³⁸ NEUTRALIS SPRAY** range. High-strength disposable wipes for application on all surfaces and medical devices

Ecological and 90% **biodegradable** after 45 days and 100% after 76 days, our wipes are **environmentally friendly**. Recommended for controlled ISO 5 - 8 environments.



FORMAT AND CAPACITY

- ✓ Ready-to-use wipes
- ✓ Dispenser box containing 100 wipes

COMPOSITION

- ✓ Wood pulp (51%) and Viscose (49%)

PACKAGINGS

Dispenser box containing 100 wipes (20 x 20 cm)

EXAMPLES OF APPLICATIONS (CLEANING AND DISINFECTING)

- ✓ All surfaces, equipment and non-invasive medical devices (MSC, benches, incubators, ICSI equipment, etc.)



HYDROALCOHOLIC GEL

ODOURLESS FORMULA ENRICHED WITH EMOLLIENT ACTIVE INGREDIENTS

Repeated use of hydroalcoholic solutions causes deep drying of the stratum corneum. The skin loses its elasticity and the slightest traction can cause a tear of the epidermal tissue. Management of cross-contamination first involves hand disinfection.

Enriched with emollient, moisturising and regenerating active ingredients, **PHYTOGEL** By HUCKERT'S® **genesis** deeply hydrates while guaranteeing hygienic and surgical grade disinfection.




FOR WHOM?

- ✓ All hands that need to be disinfected



PACKAGINGS

3 mL, 100 mL, 400 mL and 1 L.

NAME	PHOTO(S)	ITEM No	DESCRIPTION	BOX
 <p>UMONIUM³⁸ NEUTRALIS</p>		PF 12510	1 L dispenser bottle	12 x 1L
		PF 12512	5L can with pump	4 x 5L
		EMB 0013 - 0.5%	ECONOMATIC Complete kit pump - 0.5% dosing	1 item
		EMB 0013 - 2.5%	ECONOMATIC Complete kit pump - 2.5% dosing	1 item
		EMB 5101	Stainless steel mount for 5L can	1 item
 <p>UMONIUM³⁸ NEUTRALIS SPRAY</p>		PF 12608	500 mL spray bottle	20 x 500 mL
		EMB 0099	100 UMONIUM ³⁸ ® Wipes	12 items
 <p>UMONIUM³⁸ NEUTRALIS TISSUES</p>		PF 10769	Box of 100 precut units (20 x 20 cm)	6 x 100
		PF 10779	500 individual pouches (20 x 20 cm)	500 x 1
 <p>UMONIUM³⁸ PROBES</p>		PF 10800	Box of 100 wipes (20 x 20 cm)	6 x 100
		PF 12800	Dispenser box	2 x 50 items
 <p>PHYTOGEL[®] By HUCKERT'S genesis</p>		PF 20805	Pocket-sized bottle 100 mL	28 x 100 mL
		PF 20810	Bottle 400 mL	15 x 400 mL
		EMB 6100	Stainless steel mount for 400 mL bottle	1 items
		EMB 1253	Automatic wall dispenser	1 items
		EMB 1252	Manual wall dispenser	1 piece
		PF 20822	1L refill for manual and automatic dispenser	11 x 1L



WHEN SCIENCE MEETS SAFETY



BELGIUM

20 Avenue Lavoisier
1300 Wavre
Tel.: +32 (0)67 89 41 00

GD LUXEMBOURG

177 Rue du Luxembourg
L 8077 Bertrange
Tel.: +352 26 39 42 60

ITALY

20 Via Giulio Natta
05100 Terni
Tel.: +39 0744 80 03 87

FRANCE

91 rue Nationale
59000 Lille
Tel.: +33 (0)1 3976 1505

SWITZERLAND

Rue de la Grotte 6 - CP848
1001 Lausanne
Tel.: +32 (0)67 89 41 00

SINGAPORE

9 Raffles Place, #18-21 Republic Plaza II
Singapore 048619
Tel.: +65 983 45 333