

# Iscaguard®

Cosmetic Preservatives

**ISCA**  
*Preserving the tradition*



# Iscaguard®

## The Natural Choice in Preservation

Our preservatives are formulated to offer **broad spectrum protection** using optimised and innovative synergistic blends as well as offering single actives with **environmental responsibility** and **sustainable development** at the forefront of the company's philosophy.



Today, perhaps more than ever before, the **safety of the consumer** is the most important concern when developing personal care products.

For this reason alone it is **essential** that cosmetics and toiletries are protected from the **unsightly** and **potentially hazardous** effects of microbial spoilage.

ISCA UK is continually improving its services by way of award winning and eco-certified formulations to ensure protection for products and people.

### What we offer:

- Expert Support Service
- Formulatory Advice
- Partnership Approach
- Microbiological Testing Facility



# Iscaguard® products



## Iscaguard® Parabens and Liquid Paraben Blends

The Iscaguard range includes carefully designed broad spectrum liquid blends, developed to give a combination of Parabens in which the ratio of addition is closest to the optimum activity for as many different formulations as possible.

The range is also complimented with the full range of single high purity dry powders and their sodium salts.



## Iscaguard® Paraben Free Liquid Blends

A range of multi-active preservative blends exhibiting broad spectrum antimicrobial activity.

Supplied as easy to use, readily dispersible liquids. The inclusion of organic acids offers environmental benefits, alongside more traditional systems ensuring the formulator can achieve the highest level of protection.



## Iscaguard® Multifunctional Additives

A range of ingredients that can be added to formulations as preservative boosters or in combinations of multifunctional cosmetic materials, some offering the formulator "preservative-free" protection. This range also includes natural preservatives with eco-certified status.



## Iscaguard® Antibacterial additives

Products designed and formulated to reduce the risk of bacterial cross-contamination when added to formulations offering infection control.




# ISCA Products

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Parabens & Liquid  
Paraben Blends

Iscaguard®  
Paraben Free &  
Paraben Free Blends

Iscaguard®  
Multifunctional  
Additives

Iscaguard®  
Antibacterial  
Additives

Product name	EU INCI declaration	Applications			pH range
		 Leave-on	 Rinse-off	 Wet wipes	
9093	Aqua, Sodium benzoate, Sodium dehydroacetate	✓✓	✓✓	✓	2.0 – 6.5
B	Butylparaben	✓✓	✓✓		4.0 – 8.0
BA	Benzyl alcohol	✓✓	✓✓	✓✓	3.0 – 8.5
BIB	Benzyl Alcohol, 2-Bromo-2-Nitro Propane-1,3-Diol, Iodopropynyl butylcarbamate	✓	✓✓	✓✓	4.5 – 8.5
BIX	Benzyl alcohol, 2-Bromo-2-Nitro Propane-1,3-Diol, Iodopropynyl butylcarbamate	✓	✓	✓✓	4.5 – 8.5
BMB <sup>†</sup>	Benzyl alcohol, 2-Bromo-2-Nitro Propane-1,3-Diol, Methylisothiazolinone, Aqua		✓✓	✓✓	3.0 – 8.0
BN	2-Bromo-2-Nitro Propane-1,3-Diol	✓	✓		3.0 – 7.0
BOA	Benzyl alcohol, Dehydroacetic acid, Benzoic acid, Sorbic acid	✓✓	✓✓	✓✓	3.0 – 6.5
CIB <sup>†</sup>	Aqua, Triethylene glycol, Benzyl alcohol, Propylene glycol, Methylchloroisothiazolinone and methylisothiazolinone*		✓✓	✓	3.0 – 8.0
CMI <sup>†</sup>	Aqua, Methylchloroisothiazolinone and methylisothiazolinone*		✓✓	✓	3.0 – 8.0
DMD	DMDM hydantoin, Aqua	✓✓	✓✓	✓✓	4.0 – 8.0
DPE <sup>†</sup>	Phenoxyethanol, Methylidibromo glutaronitrile	✓✓	✓✓	✓	4.0 – 8.0
DPM	Propylene glycol, Diazolidinyl urea, Methylparaben, Propylparaben	✓✓	✓	✓	3.0 – 7.0
DPM2	Propylene glycol, Diazolidinyl urea, Methylparaben, Propylparaben	✓✓	✓	✓	3.0 – 7.0

\* Main components listed. For full INCI names please contact us.

<sup>†</sup> Not for use in the EU.  
<sup>‡</sup> Denotes under discussion for leave-on products in the EU.



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Max. temp	In use concentrations			Physical state		Product name
	Application	EU Cosmetic Regulation (max.)	ISCA recommendation	 Liquid	 Solid	
40°C	Leave-on	2.62%	0.4 – 1%	●		9093
	Rinse-off	9.04%	0.4 – 1%			
80°C	Leave-on	0.4%	0.05 – 0.15%		●	B
	Rinse-off	0.4%	0.05 – 0.15%			
40°C	Leave-on	1%	0.4 – 1%	●		BA
	Rinse-off	1%	0.4 – 1%			
40°C	Leave-on	0.2%	0.05 – 0.2%	●		BIB
	Rinse-off	0.4%	0.05 – 0.2%			
40°C	Leave-on	0.66%	0.05 – 0.4%	●		BIX
	Rinse-off	0.66%	0.05 – 0.4%			
40°C	Leave-on	0.4%	0.05 – 0.4%	●		BMB†
	Rinse-off	0.4%	0.05 – 0.4%			
40°C	Leave-on	0.1%	0.01 – 0.08%		●	BN
	Rinse-off	0.1%	0.01 – 0.08%			
40°C	Leave-on	1.25%	0.5 – 1%	●		BOA
	Rinse-off	1.25%	0.5 – 1%			
40°C	Leave-on	0.21%	0.05 – 0.2%	●		CIB†
	Rinse-off	0.21%	0.05 – 0.2%			
40°C	Leave-on	0.1%	0.05 – 0.1%	●		CMI†
	Rinse-off	0.1%	0.05 – 0.1%			
60°C	Leave-on	1.08%	0.15 – 0.4%	●		DMD
	Rinse-off	1.08%	0.15 – 0.4%			
40°C	Leave-on	0%†	0.1 – 0.3%	●		DPE†
	Rinse-off	0%†	0.1 – 0.3%			
60°C	Leave-on	1.66%	0.3 – 0.7%	●		DPM
	Rinse-off	1.66%	0.3 – 0.7%			
60°C	Leave-on	2.5%	0.3 – 1%	●		DPM2
	Rinse-off	2.5%	0.3 – 1%			

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Product name	EU INCI declaration	Applications			pH range
		 Leave-on	 Rinse-off	 Wet wipes	
DU	Diazolidinyl urea	✓✓	✓✓		3.0 – 8.5
E	Ethylparaben	✓✓	✓✓		4.0 – 8.0
EHG	Ethylhexylglycerin	✓✓	✓✓	✓✓	3.0 – 12.0
FPX	Phenoxyethanol, Methylparaben, Ethylparaben, Butylparaben, Propylparaben, Isobutylparaben	✓✓	✓✓	✓✓	3.0 – 8.0
IPT	Phenoxyethanol and Iodopropynyl butylcarbamate	✓	✓	✓✓	4.0 – 8.0
IU	Imidazolidinyl urea	✓✓	✓✓		3.0 – 8.5
LIN <sup>†</sup>	Phenoxyethanol, Methyltribromo glutaronitrile, 2-Bromo-2-Nitro Propane-1,3-Diol, Butylparaben, Isobutylparaben	✓	✓✓	✓	3.0 – 7.5
M	Methylparaben	✓✓	✓✓		4.0 – 8.0
ME18	Propylene glycol, Methylparaben, Ethylparaben	✓✓	✓✓	✓✓	3.0 – 8.0
MEP	Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben	✓✓	✓✓	✓✓	3.0 – 8.0
MIT <sup>‡</sup>	Aqua, Methylisothiazolinone		✓✓	✓	3.0 – 8.0
MPB	Phenoxyethanol, Methylparaben, Propylparaben, 2-Bromo-2-Nitro Propane-1,3-Diol	✓	✓	✓✓	4.5 – 8.5
OP	Phenoxyethanol, Caprylyl glycol	✓✓	✓✓	✓✓	4.0 – 8.0
P	Propylparaben	✓✓	✓✓		4.0 – 8.0

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(Continued)

Max. temp	In use concentrations			Physical state		Product name
	Application	EU Cosmetic Regulation (max.)	ISCA recommendation	 Liquid	 Solid	
40°C	Leave-on	0.5%	0.1 – 0.4%		●	DU
	Rinse-off	0.5%	0.1 – 0.4%			
80°C	Leave-on	0.4%	0.05 – 0.15%		●	E
	Rinse-off	0.4%	0.05 – 0.15%			
80°C	Leave-on	No limit	0.3 – 1%	●		EHG
	Rinse-off	No limit	0.3 – 1%			
80°C	Leave-on	1.38%	0.3 – 0.8%	●		FPX
	Rinse-off	1.38%	0.3 – 0.8%			
40°C	Leave-on	0.5%	0.2 – 0.5%	●		IPT
	Rinse-off	1%	0.6 – 1%			
60°C	Leave-on	0.6%	0.2 – 0.5%		●	IU
	Rinse-off	0.6%	0.2 – 0.5%			
40°C	Leave-on	0%†	0.03 – 0.15%	●		LIN†
	Rinse-off	0%†	0.03 – 0.15%			
80°C	Leave-on	0.4%	0.05 – 0.15%		●	M
	Rinse-off	0.4%	0.05 – 0.15%			
80°C	Leave-on	3.33%	0.4 – 1%	●		ME18
	Rinse-off	3.33%	0.4 – 1%			
80°C	Leave-on	1.35%	0.4 – 1%	●		MEP
	Rinse-off	1.35%	0.4 – 1%			
45°C	Leave-on	0.1%	0.05 – 0.1%	●		MIT‡
	Rinse-off	0.1%	0.05 – 0.1%			
40°C	Leave-on	1.33%	0.3 – 0.8%	●		MPB
	Rinse-off	1.33%	0.3 – 0.8%			
80°C	Leave-on	1.8%	0.5 – 1%	●		OP
	Rinse-off	1.8%	0.5 – 1%			
80°C	Leave-on	0.4%	0.05 – 0.15%		●	P
	Rinse-off	0.4%	0.05 – 0.15%			

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Product name	EU INCI declaration	Applications			pH range
		 Leave-on	 Rinse-off	 Wet wipes	
PAM <sup>‡</sup>	Aqua, Methylisothiazolinone, Polyaminopropyl biguanide		✓✓	✓	2.0 – 8.0
PBA	Benzyl alcohol, Methylparaben, Propylparaben	✓✓	✓✓	✓	4.0 – 8.0
PE	Phenoxyethanol	✓✓	✓✓	✓✓	3.0 – 8.5
PEG	Phenoxyethanol, Triethylene glycol	✓✓	✓✓	✓✓	3.0 – 8.5
PEHG	Phenoxyethanol, Ethylhexylglycerin	✓✓	✓✓	✓✓	3.0 – 9.0
PEM <sup>‡</sup>	Phenoxyethanol, Propanediol, Methylisothiazolinone		✓✓	✓	3.0 – 8.0
PFA	Phenethyl alcohol, Caprylyl glycol	✓✓	✓✓	✓✓	4.0 – 8.0
PM1	Aqua, Polyaminopropyl biguanide	✓✓	✓✓	✓	1.0 – 10.0
POA	Phenoxyethanol, Dehydroacetic acid, Benzoic acid, Sorbic acid	✓✓	✓✓	✓✓	3.0 – 6.5
PX	Chloroxylenol	✓	✓✓	✓	4.0 – 9.0
SAP	Propanediol, Salix alba bark extract	✓✓	✓✓	✓	2.0 – 5.5
TC	Triclosan		✓✓		4.0 – 9.5
TC6	Triclosan, Propylene glycol		✓✓	✓	4.0 – 9.5

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(Continued)

Max. temp	In use concentrations			Physical state		Product name
	Application	EU Cosmetic Regulation (max.)	ISCA recommendation	 Liquid	 Solid	
40°C	Leave-on	0.2%	0.05 – 0.1%	●		PAM†
	Rinse-off	0.2%	0.05 – 0.1%			
40°C	Leave-on	1.36%	0.3 – 0.8%	●		PBA
	Rinse-off	1.36%	0.3 – 0.8%			
80°C	Leave-on	1%	0.4 – 1%	●		PE
	Rinse-off	1%	0.4 – 1%			
80°C	Leave-on	1.11%	0.4 – 1%	●		PEG
	Rinse-off	1.11%	0.4 – 1%			
80°C	Leave-on	1.11%	0.5 – 1%	●		PEHG
	Rinse-off	1.11%	0.5 – 1%			
40°C	Leave-on	0.57%	0.1 – 0.4%	●		PEM†
	Rinse-off	0.57%	0.1 – 0.4%			
80°C	Leave-on	No limit	0.5 – 1.5%	●		PFA
	Rinse-off	No limit	0.5 – 1.5%			
90°C	Leave-on	1.5%	0.2 – 0.8%	●		PM1
	Rinse-off	1.5%	0.2 – 0.8%			
40°C	Leave-on	1.25%	0.5 – 1%	●		POA
	Rinse-off	1.25%	0.5 – 1%			
40°C	Leave-on	0.5%	0.1 – 0.5%		●	PX
	Rinse-off	0.5%	0.1 – 0.5%			
40°C	Leave-on	2.5%	0.4 – 1%	●		SAP
	Rinse-off	2.5%	0.4 – 1%			
80°C	Leave-on	0.3%	0.1 – 0.3%		●	TC
	Rinse-off	0.3%	0.1 – 0.3%			
80°C	Leave-on	3%	0.1 – 0.4%	●		TC6
	Rinse-off	3%	0.1 – 0.4%			

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## Distributors in:

Africa (West), Belgium, Canada, China, Cyprus, Czech Republic, Greece, Hong Kong, India, Indonesia, Israel, Japan, Korea, Malaysia, Philippines, Portugal, Russia, Singapore, Spain, Taiwan, Thailand, Turkey, United Kingdom, United States, Vietnam.

### Technical service

ISCA support their product range with a telephone advisory service and in-house microbiological testing facilities. Please contact any member of our team for further details.

### Disclaimer

Whilst the information contained herein is accurate to the best of our knowledge, no warranty is either expressed or implied. It is the responsibility of the individual to ensure that their products will remain preserved over the anticipated shelf life.

## Other products available



Aerospace

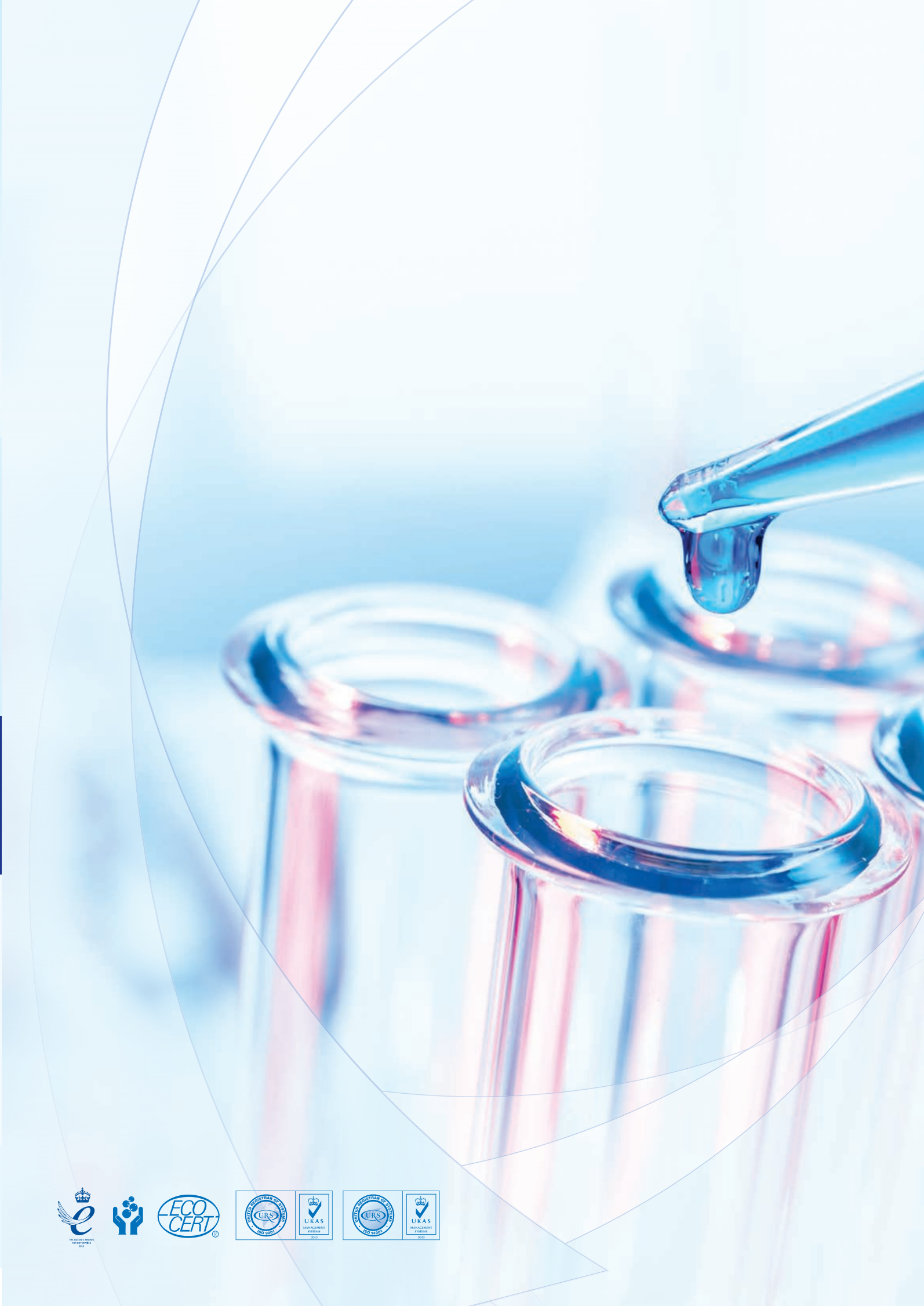
Coatings

Explosive  
Emulsifiers

Flame  
Retardants

Product  
Development  
& Consultancy  
Services

Textiles



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