



**ISOCIDE<sup>®</sup>**  
The Cosmetic Preservatives

Elements  
of beauty



**LEHVOSS**  
Personal Care

## LEHVOSS Personal Care

is a Pan-European distribution organisation with a long history started in the '70s and strengthened with the acquisition of Paroxite and Biophil group. We have Technical Expertise and, together with our Laboratory, Marketing and Regulatory Services, we aim at being recognised as your specialist solution provider.

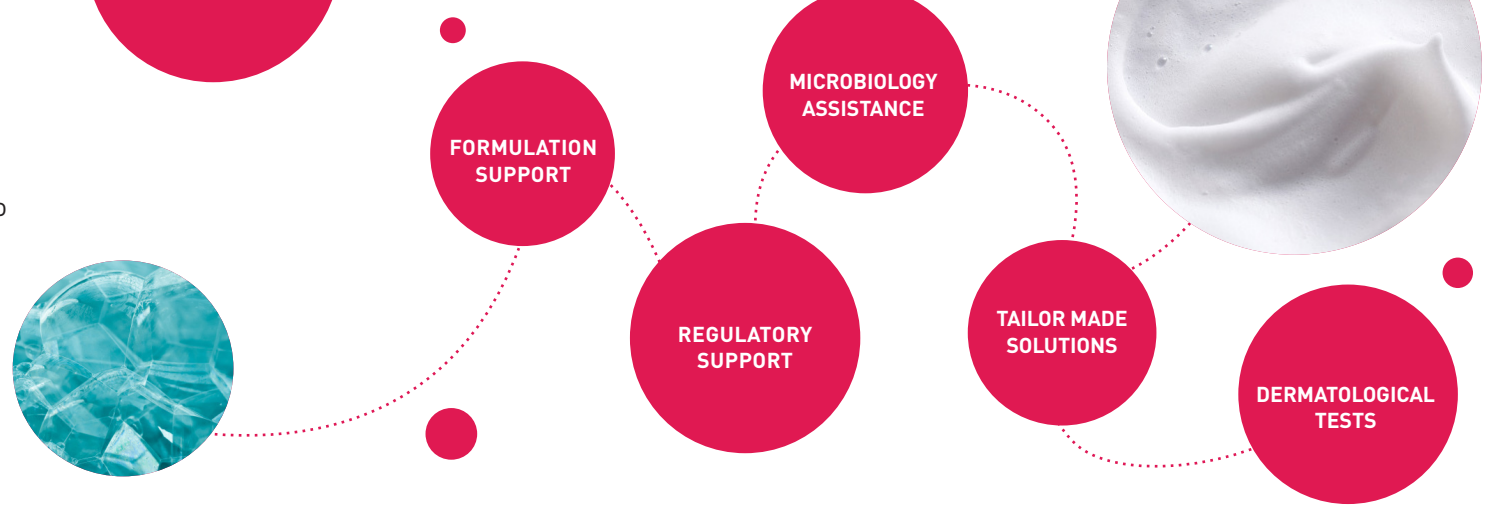
While strictly complying with European standards, the LEHVOSS Group has its own in-house formulation research laboratory and regulatory department to guarantee a more personalized service. Our customers can further count on our technical support in connection with the application of many raw materials we provide ourselves.



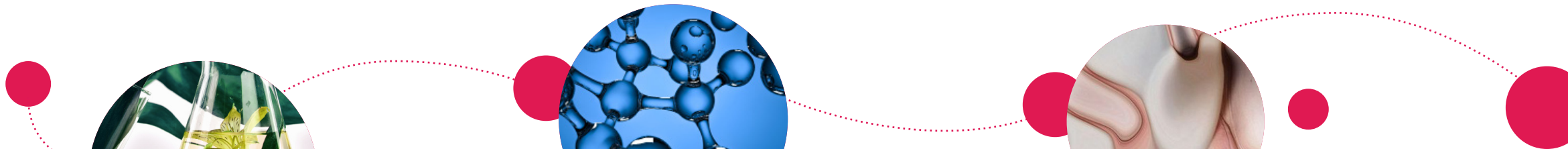
# ISOCIDE®

ISOCIDE® is a range of preservatives designed by LEHVOSS Personal Care to satisfy the needs of functionality and to meet the increasing market demand for mild effectiveness in personal care.

With ISOCIDE® we offer a complete list of preservatives listed in ANNEX V of Regulation (EC) No 1223/2009 together with a list of multifunctional ingredients used to enhance preservative efficacy and reduce overall preservative concentrations.

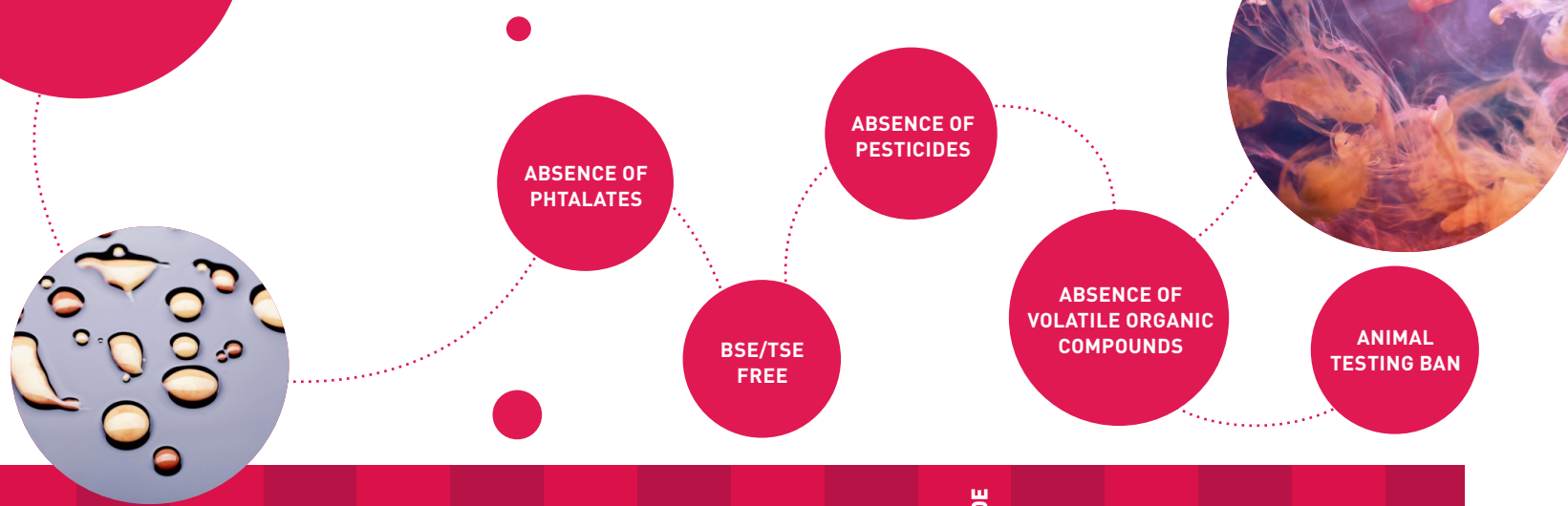


ISOCIDE® RANGE	INCI NAME	ANTIMICROBIAL SPECTRUM			pH RANGE	MAX TEMP.	IN USE CONCENTRATION		LISTED IN:
		Gram+	Gram-	Yeast & Mold			Leave-on	Rinse-off	
<b>Preservatives Actives</b>									
ISOCIDE CP	Chlorophenesin	+	+	+	3,5 - 6,5	70° C	0,30%	0,30%	EINECS - US INCI - ENCS - AICS - IECIC
ISOCIDE IMU	Imidazolidinyl Urea	++	++	-	3,0 - 8,5	40° C	0,60%	0,60%	EINECS - TSCA - DSL - AICS - ENCS - IECIC (0.4% max.)
ISOCIDE OC	O-cymen-5-ol	++	++	+	4,0 - 9,0	80° C	0,10%	0,10%	EINECS - US INCI - ENCS - AICS - IECIC
ISOCIDE PH	Phenoxyethanol	+	+	+	3,0 - 9,0	70° C	0,30 - 1,00 %	0,30 - 1,00 %	EINECS - US INCI - ENCS (3-558) -KECL ( KE-28257) TSCA - DSL - AICS - IECIC- PHILIPPINES
<b>Preservatives System</b>									
ISOCIDE BAS	Benzyl Alcohol, Dehydroacetic Acid, Aqua	++	++	++	4,0 - 8,0	50° C	1%	1%	EINECS - US INCI - ENCS - DSL- AICS - IECIC - JAPAN - ECL
ISOCIDE C	Aqua, Magnesium Nitrate, Methylchloroisothiazolinone, Magnesium Chloride, Methylisothiazolinone	++	++	++	3,0 - 8,0	50° C	0%	0,01%	EINECS - DSL - AICS - ENCS - IECIC - JAPAN (2.2% max, not allowed for mucous contact) - ECL
ISOCIDE PF	Phenoxyethanol, Propylene glycol, Methylparaben, Ethylparaben, Propylparaben	+	++	++	3,0 - 8,0	80° C	1%	1%	EINECS - JSCI - TSCA - DSL - IECIS
ISOCIDE SCM	Propylene glycol, Methylpropanediol, Chlorophenesin, Potassium Sorbate	-	-	+	5,0 - 8,0	40° C	1%	1%	EINECS - ENCS - ECL - DSL - AICS - IECIC
ISOCIDE PEC	Phenoxyethanol, O-Cymen-5-ol	++	++	++	4,0 - 9,0	80° C	0,75 - 1,00%	0,75 - 1,00%	EINECS - US INCI - AICS - IECIC - PHILIPPINES
<b>Multifunctional Ingredients</b>									
ISOCIDE CLG	Caprylyl Glycol	+	++	-	4,0 - 9,0	50° C	0,5-1%	0,5-1%	EINECS - KECL - JSCI - TSCA - NZIoC - DSL - AICS -IECSC - PICCS
ISOCIDE HXD	1,2-Hexanediol	+	++	++	4,0 - 9,0	40° C	1-3%	0,01%	EINECS - KECL - JSCI - TSCA - NZIoC - DSL - AICS -IECSC - PICCS
ISOCIDE EHG	Ethylexyl glicerine	++	+	-	4,0 - 9,0	50° C	0,30 - 1,00 %	0,30 - 1,00 %	EINECS - AICS -DSL -JAPAN
ISOCIDE HCG	1,2 Hexanediol, Caprylyl Glycol	++	++	++	5,0 - 9,0	50° C	2,00 - 3,00%	2,00 - 3,00%	EINECS - KECL - JSCI - TSCA - NZIoC - DSL - AICS -IECSC - PICCS
HEST G-18-0	Glycereth-18 Ethylhexanoate (and) Glycereth-18	++	++	++	5,0 - 9,0	40° C	1,50%	1,50%	EINECS -US INCI



# ISOCIDE® Range

ISOCIDE® range complies with the Cosmetic Regulation No.1223/2009 and with the Regulation 1907/2006/EC (REACH). Each item is provided with technical and safety data sheet and Raw Material Data Sheet which collects the toxicological data together with the legislation conformities commonly required.



	FORMALDEHYDE RELEASER	PARABENS	ISOTHIAZOLINONS	PHENOXYETHANOL	ORGANIC ACID OR SALT	ALCOHOL OR GLYCOL	CHLORINATED COMPOUND	WATER	ETHANOL	PROPYLENE GLYCOL	DIMETHICONE	PARAFFINUM LIQUIDUM	CYCLOMETHICONE	GLYCERIN	SLES	C12-15 ALKYL BENZOATE	CAPRYLIC/ CAPRIC TRIGLYCERIDE	EMULSION	TOILETRIES	WET WIPES	FOUNDATION	LIP STICK	
	Compound Selection							Solubility								Application Field							
<b>Preservative Actives</b>																							
ISOCIDE CP							✓	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓			✓	
ISOCIDE IMU	✓							◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓	✓			
ISOCIDE OC								◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	✓
ISOCIDE PH				✓				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	✓
<b>Preservative System</b>																							
ISOCIDE BAS					✓	✓		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓	✓	✓	✓	
ISOCIDE C			✓					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓	✓	✓		
ISOCIDE PF		✓		✓		✓		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	✓
ISOCIDE SCM					✓	✓	✓	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	
ISOCIDE PEC				✓				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓	✓	✓	✓	✓
<b>Multifunctional Additives</b>																							
ISOCIDE CLG						✓		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	✓
ISOCIDE HXD						✓		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	✓
ISOCIDE EHG						✓		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	
ISOCIDE HCG						✓		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	✓
HEST G-18-0								◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	✓		✓	✓	

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