

Azienda fondata nel 1892 www.andreagallo.it

parmetol[®] SBX

Preservative for household products

- Production hygiene integrated in-can preservative
- Synergistic working combination of benzisothiazolone (BIT), Sodium Pyrithione and bis(3-aminopropyl)dodecylamine (BDA)
- Broad, balanced spectrum of effect against bacteria, yeasts and moulds
- Free of chloromethylisothiazolone, formaldehyde, formaldehyde depots and other aldehydes
- Approved for Ecolabel, e.g. "European Flower" or "Nordic Ecolabel "

Active substance					
INCI name	EINECS-Name:			CAS-No.	EC-No.
Laurylamine Dipropylenediamine	N-(3-Aminopropyl)-N-dodecylpropa	ne-1,3-diamir	ne	2372-82-9	219-145-8
Benzisothiazolinone	1,2-Benzisothiazol-3(2H)-one			2634-33-5	220-120-9
Sodium Pyrithione	Pyridine-2-thiol-1-oxide, sodium sa	Pvridine-2-thiol-1-oxide, sodium salt			223-296-5
			1		
Physico-chemical properties					
Colour	yellow	yellow			
Form	Liquid	Liquid			
Odour	characteristic				
Density (20 °C)	ca. 1.023 - 1.035 g/cm3	ca. 1.023 - 1.035 g/cm3			
Refractive index (20 °C)	ca. 1.351 - 1.363	ca. 1.351 - 1.363			
Initial boiling point	ca. 100 °C	ca. 100 °C			
Flash point (ISO 2719)	> 100 °C				
Flow time (DIN 53211 - 20 °C)	< 15 s	< 15 s			
Water solubility (20 °C)	in all proportions				
Foaming characteristics	Foaming possible (in water)	Foaming possible (in water)			
VOC-Content to Directive 2004/42/EC	none				
Fields of application					
The optimum use level should be evaluated by n	peans of a repeated challenge test (e.g.	at schülke T	echnical and M	/icrobiological	department)
Limits for labelling can be seen from the separat	e schü ke labelling sheet.			norobiological	doparanonty.
Use biocides safely. Always read the label an	d product information before use.				
	Recommended dosage				
Washing-up liquids	0.5 - 2.0 g/kg	(0.05 - 0.20 %)		
Detergent	0.5 - 2.0 g/kg	(0.05 - 0.20 %)		
Liquid detergents, highly alkaline	0.5 - 2.0 g/kg	(0.05 - 0.20 %)		
Liquid laundry detergents	0.5 - 2.0 g/kg	0.5 - 2.0 g/kg (0.05 - 0.20 %))	
Fabric softener	0.5 - 2.0 g/kg (0.05 - 0.20 %))		
Liquid scouring cleansers	0.5 - 2.0 g/kg (0.05 - 0.20 %))		
Window cleaners	0.5 - 2.0 g/kg (0.05 - 0.20 %))		
Wax emulsions	0.5 - 2.0 g/kg (0.05 - 0.20 %)				
Wet wipes	0.5 - 2.0 g/kg (0.05 - 0.20 %)				
Other uses	Kindly contact us.	Kindly contact us.			
Indications for use					
	parmetol [®] SBX is fully effective in c	ationic and n	on-ionic system	ns Presence (of anionic
General Information	substances may lead to decreased	efficacy. Foa	ming possible		
Solubility(ies)	Fully soluble in water	Fully soluble in water			
	In some cases parmetol [®] SBX may lead to discolouration caused by e.g. metal ions that may				
Discolouration	interact with Sodium Pyrithione. We recommend lab-testing on compatibility before using at				
	batch sizes.				
Recommended use pH range	3 - 11				
Maximum use temperature	max. 80 °C				
Additional advice	If possible, to be incorporated at an early stage during production. Cleaning of equipment is			f equipment is	
	possible by rinsing with water.				
Microbiological efficacy					
The efficacy of the product has been tested agai	ost the following microorganisms accor	ding to DGHM	(German Soc	riety for Hygier	ne and
Microbiology) Determination of the minimum inh bitory concentration in the serial dilution test produced the following values (MIC in % of the					
product):				9 741400 (ivil0	/0 01 010
Bacteria (gram-negative) MIC	Bacteria (gram-positive) M	IC Yeas	sts		MIC
Escherichia coli 0.03	Staphylococcus aureus 0	.03 Can	dida albicans		0.06
Pseudomonas aeruginosa 0.06					
-		Mou	lds		MIC
-		Aspe	eraillus brasilie	ensis	0.03



ANDREA GALLO DI LUIGI S.r.I.

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Compatibility*					
	compatible		to be avoid	led	
concentrate	high-alloyed stainless steel (e. g. polytetrafluoroethylene (PTFE), P polystyrene (PS), polymethyl mett (PMMA), acrylo-nitrile butadiene s (ABS), PVC (hard), Polyoxymethy fluorinated rubber (FKM), nitrile ru	1.4571), steel, olyethylene, nacrylate tyrene polymer lene (POM), bber	polycarbonate (PC), PVC (soft), natural rubber, chloroprene rubber, styrene butadiene rubber, ethylene-propylene-terpolymer (EPDM), sealants and plastics other than mentioned, copper, aluminium, zinc, brass		
aqueous dilution (0.2 %)	No significant difference to water		polyamide (PA 6), acrylo-nitrile butadiene styrene polymer (ABS), brass, Water incompat ble materials, otherwise see advice for the undiluted product		
*Compatibility has to be proved in each case					
Labelling					
Hazard statements	H290, H314, H317, H410				
Precautionary statements	P273, P280, P301 + P330 + P331, P303 + P361 + P353, P305 + P351 + P338, P310				
Labelling	Danger - GHS05 (Corrosion), GHS07 (Exclamation mark), GHS09 (Environment)				
	For further hazard instructions and safety advice please refer to the actual material safety data sheet.				
Environmental information Dilutions of parmetol [®] SBX do not normally interfere with the operation of waste water treatment plants. The canisters and drums used by schülke are made of polyethylene (HDPE) and are labelled accordingly. The 1000 kg containers are covered by a return scheme that ensures collection of the used containers free of charge and appropriate reuse all over Europe. The labels are made of PE. schü ke packaging materials contain no PVC and can be recycled. For further information please ask for our detailed environmental report.					
Listings and approvals of active ingredients Transport & Storage					
EINECS / ELINCS (Europe)	EINECS / ELINCS (Europe) Dangerous goods Yes			Yes	
TSCA (USA)		UN number 1719			
DSL / NDSL (Canada) Packaging group			11		

ISCA (USA)	UN number	1719
DSL / NDSL (Canada)	Packaging group	11
PICCS (Philippines)	Package sizes	25 kg, 200 kg, 1000 kg
AICS (Australia)	Shelf life	18 months
IECSC (China)	Storage	Protect from frost, heat and direct
ENCS (Japan)	5	sunlight. Store at room temperature in
CSNN (Taiwan)		the original container
NZIoC (New Zealand)		the original container.
Ecolabel		

	Basic criteria	Product type	max. use concentration
European Flower	2011/264/EC	Laundry detergents	0.20 %
European Flower	2011/382/EC	Hand dishwashing detergents	0.20 %
European Flower	2011/383/EC	All-purpose cleaners and cleaners for sanitary facilities	0.20 %
Nordic Ecolabel	Nordic Swan	Cleaning agent	0.1 %