

TECHNICAL DATA SHEET
CHLOORSTABIL 299-B

Product code: MS11424

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FORMULA NaClO

(EINECS: 231-668-3 / CAS: 7681-52-9)

Aqueous solution of sodium hypochlorite

Disinfectant for cooling water, recreation water, waste water, drinking water and treatment of surfaces.

Disinfectant: Authorization number 299 B (according to Belgian Biocides regulation).

Product conform CEN-EN 931 and NEN-EN 901.

Remarks:

- The minimum content of active chlorine is guaranteed at delivery.
- The activity decreases under the influence of time, temperature and exposure to light.

ASPECT

Clear, yellow-green liquid with a characteristic smell.

CONCENTRATION

Active chlorine	: min. 150	g/l
	: min. 12,5	% wt.
	: min. 47	chlorometrical degrees

PHYSICAL PROPERTIES

Density (20°C)	: 1,205 – 1,230	kg/l
Gas development (4 hours at 40°C)	: max. 35	ml/l

CHEMICAL ANALYSIS

Sodium carbonate (Na ₂ CO ₃)	: max. 0,75	%
Sodium hydroxide (NaOH)	: max. 0,4 – 0,8	% wt.
Iron (Fe)	: max. 0,5	ppm
Bromate	: 4 – 6	mg/l (typical)
Sodium chlorate (NaClO ₃)	: max. 0,3	%
Antimony (Sb)	: max. 0,1	ppm
Arsenic (As)	: max. 0,1	ppm
Cadmium (Cd)	: max. 0,1	ppm
Chromium (Cr)	: max. 0,1	ppm
Copper (Cu)	: max. 0,1	ppm
Mercury (Hg)	: max. 0,5	ppm

1 / 2

TECHNICAL DATA SHEET

Nickel (Ni)	: max. 0,1	ppm
Lead (Pb)	: max. 0,1	ppm
Ruthenium (Ru)	: max. 0,1	ppm
Selenium (Se)	: max. 0,1	ppm
Titanium (Ti)	: max. 0,1	ppm

APPLICATION	DOSAGE	END CONCENTRATION
Drinking water	7 – 70 ml/m ³	1 – 10 ppm Cl act.
Swimming pool water	8 ml/m ³	1 ppm Cl act.
Cooling water (closed system)	5 – 30 ml/m ³	0,5 – 3 ppm Cl act.
Cooling water (open system)	15 – 40 ml/m ³	2 – 5 ppm Cl act.
Waste water	200 ml/m ³	30 ppm Cl act.
Surfaces	30 ml/m ³	4 ppm Cl act.

Remark : The disinfectant effect is reached with the mentioned dosages of chlorine after at least 30 minutes.

PACKING

Can be available in bulk, IBC's, drums, cans. Other packing on request.

LEGAL REGULATIONS IN CONNECTION WITH SALE, USE AND STORAGE

CHLOORSTABIL 299-B is a pesticide for non-agricultural use, class A (see RD 22 May 2003 concerning the marketing and the use of biocides). The product may only be sold by a registered salesman of biocides and be applied by a certified user of biocides. Also professional use, as stipulated by the Ministerial Order of 6 March 2002, or the maintenance of a private swimming pool is allowed.

The packing, which contains CHLOORSTABIL 299-B, must be kept in a closed room, exclusively destined for the storage of biocides.

The room must be dry, efficiently ventilated, in a good condition of maintenance and cleanliness. The room must be so arranged that the good preservation of the product assured. On the outside of the door of this room, the mention "poison" and a "stored skull" must be is on.

SHELF LIFE

To minimize loss of activity it is advisable to keep the sodium hypochlorite solution in a cool and dark storage, not in direct sunlight.

SAFETY REGULATION

Sodium hypochlorite gives strong reaction with acids, forming toxic chlorine gas.

The safety data sheet is available on request.

Information in this publication is believed to be accurate and is given in good faith, but it is for the customer to satisfy itself of the suitability for its own particular purpose.

No representation, warranty or guarantee is made as to its accuracy, reliability or completeness.

COMPANY INFORMATION DISTRIBUTOR		
name	BRENNTAG N.V.	BRENNTAG Nederland B.V.
address	Nijverheidslaan 38 8540 Deerlijk	Donker Duyvisweg 44 3316 BM Dordrecht
country	Belgium	The Netherlands
phone number	+32 (0)56 77 69 44	+31 (0)78 65 44 944
fax number	+32 (0)56 77 57 11	+31 (0)78 65 44 919
website	www.brenntag.be	www.brenntag.nl
e-mail	info@brenntag.be	info@brenntag.nl
activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
QUALITY SYSTEMS		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO