

WL-ASETTIX IPOCHLOR



Adjuvant in the prevention of



Bacteria Viruses Legionella Moulds



Electrolytic hypochlorous acid in solution, with high concentration and sanitizing activity, for the treatment of primary water, aeraulic systems and surfaces

**Registered in Germany
Gemeldetes Biozid-Produkt
Classes PT2 and PT5**

DESCRIPTION:

WL-ASETTIX IPOCHLOR is a solution obtained electrolytically from sodium chloride, with a high dosage of active chlorine of 500 mg/l (500 ppm) released from Hypochlorous Acid. The product has a neutral pH (7 ± 0.5) and is dermatologically tested on sensitive skin. Moreover, the active principle enables excellent sanitization and hygienic results to be obtained in the treatment of water intended for human and animal consumption, in maintaining potability and in preventing any organic, bacterial and viral pollutants. It is perfectly suitable for the atomising treatment of all surfaces and enclosed spaces such as warehouses and shopping centres, air ducts and sanitizing tunnels in airports and large communities, being fully compatible with all metallic and non-metallic materials with which it may come into contact in both civil and industrial environments.

Description of ingredients	Number EINECS	Number CAS	Classification EC Regulation No. 1272/2008
Water	231-791-2	7732-18-5	Not classified
Sodium Chloride	231-598-3	7647-14-5	Not classified
Hypochlorous acid	232-232-5	7790-92-3	Not classified
Sodium Hypochlorite	231-668-3	7681-52-9	H314 H318 H400 (M=10) H410 (M=1) EUH031 (c $\geq 5\%$)

The product is active at high temperatures and can be used in cold and hot water circuits, and is compatible with polyphosphate-based anti-corrosive solutions.

The residual concentration of the product in the circuit is easily measured with a special CHLORINE ANALYSIS KIT.

WL-ASETTIX IPOCHLOR does not contain any hazardous substances.

Appearance	Clear, transparent liquid
Odour	Slight odour of chlorine
pH	7.0 ± 0.5
Melting point/freezing point	Approx. 0 °C
Boiling Point	Approx. 100 °C
Flash point	Non-flammable



CHEMICAL AND TECHNICAL PRODUCTS

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CHEMISTRY IN ACTION

DOSAGE:

For the treatment of sanitary water, as indicated by Law Decree no. 27 of 2 February 2002, the concentration of the residual product recommended for end users is 0.2 mg/l of free chlorine.

WATERS: CONTINUOUS USE

When dosing WL-ASETTIX IPOCHLOR at the point of injection, the spontaneous leak of active chlorine and the leak resulting from the concentration of the species to be oxidised in the water must be taken into account: organic substances, microorganisms, ferrous and manganous ions and other components.

For this reason, the dosage at the product injection point is on average 0.06 %, which corresponds to 0.6 ml of product per litre of treated water (≈ 0.3 ppm).

The residual concentration of the product can be determined using a common free chlorine test, or using the CHECK TESTER with reference to the table below.

pH	6.9	7	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8	8.1	8.2	ppm Cl
mV	507	505	502	500	499	497	496	494	493	491	490	488	487	0.2
mV	561	558	553	550	548	546	544	541	539	536	534	532	529	0.3
mV	599	596	590	586	583	580	577	574	571	568	565	562	559	0.4
mV	629	625	618	615	611	607	604	600	597	593	590	580	583	0.5
mV	652	648	640	637	632	629	625	621	617	613	610	605	602	0.6
mV	663	658	650	646	642	638	634	630	626	622	618	614	610	0.65
mV	673	669	660	656	651	647	643	639	635	630	626	622	618	0.67
mV	682	677	668	664	660	655	651	647	642	638	634	629	625	0.75
mV	690	686	677	672	668	663	659	654	650	645	641	636	632	0.8
mV	698	694	684	680	675	670	666	661	657	652	647	643	638	0.85
mV	706	702	692	687	682	677	673	668	663	658	654	649	644	0.9
mV	713	708	698	694	689	684	679	674	669	664	659	654	650	0.95
mV	720	715	705	700	695	690	685	680	675	670	665	660	655	1
mV	733	727	717	712	707	701	696	691	686	680	675	670	665	1.1
mV	744	739	728	722	717	712	706	701	695	690	685	679	674	1.2
mV	755	749	738	732	727	721	716	710	705	699	694	688	682	1.3
mV	765	759	747	742	736	730	724	719	713	707	702	696	690	1.4
mV	774	768	756	750	744	738	732	727	721	715	709	703	697	1.5
mV	790	784	771	765	759	753	747	741	735	728	722	716	710	1.7
mV	798	792	779	773	766	760	754	748	741	735	729	722	716	1.8
mV	812	805	792	785	779	773	766	760	753	747	740	734	727	2
mV	824	818	804	797	791	784	777	771	764	757	751	744	737	2.2
mV	841	834	826	813	806	800	792	785	778	771	764	757	751	2.5



In order to determine the presence of Free Chlorine, it is sufficient to interpolate the value of the Redox Potential measured in millivolts (mV) with the pH of the water. The pH of the water directly influences the redox potential (ORP), since a pH tending towards acidity (below 7) will cause an increase in the concentration of Free Chlorine, automatically triggering an increase in the oxidation-reduction potential.

WATERS: SHOCK ACTION

In order to perform a shock action, WL-ASETTIX IPOCHLOR is injected into the water until free residual chlorine concentrations of 20 - 50 mg/l are reached throughout the system, including distal points.

After a period of contact of 2 hours, with 20 mg/l of active chlorine, or 1 hour, with 50 mg/l of active chlorine, allow the water to flow into the plant until the level of chlorine does not return within the concentration limits established by current regulations (0.2 ppm).

During this time, the use of the utilities involved should be avoided at all costs.

SURFACE SANITIZATION WITH SPRAY

For sanitizing hard, non-porous surfaces including floors, workbenches, furniture, objects and equipment, the product can be used at a 30 % dilution with preferably demineralised water.

Spray to evenly cover the surface to be treated and allow to act for at least 5 minutes before removing any excess product with a clean cloth.

No need to rinse after use.

In order to maximise the effectiveness of WL-ASETTIX IPOCHLOR, it is recommended to use the product on clean or previously cleaned surfaces.

SANITIZING AIR AND HARD-TO-REACH SURFACES BY SATURATION

The product can also be atomised at saturation for air treatment and hard-to-reach surfaces. For such activities dilute the product to 30 % with demineralised water and spray.

Once the operation has been carried out, allow the mist to remain in suspension inside the closed and empty room for at least 15 minutes (time considered sufficient for the sanitizing action) before removing any excess product with a clean cloth.

No need to rinse after use.

In order to maximise the effectiveness of WL-ASETTIX IPOCHLOR, it is recommended to use the product on clean or previously cleaned surfaces.

SANITIZATION TUNNELS

For use in tunnels for sanitizing goods, equipment and people, dilute the product 30 % with demineralised water.

WL-ASETTIX IPOCHLOR, is considered a non-hazardous product, dermatologically tested on sensitive skin, oral mucosa, corneal cells, nasal epithelium and alveolar cells.

Active chlorine released from hypochlorous acid is not listed in any group of monitored substances and no specific occupational exposure limits have been identified.

STORAGE AND VALIDITY OF THE PRODUCT:

If WL-ASETTIX IPOCHLOR is stored, no special risk management measures are envisaged as it is classified as a non-hazardous product.

The optimum effectiveness of the stored product can be maintained by storing it away from light in sealed, airtight containers made of opaque HDPE or glass at a temperature preferably between 5 and 25°C for a period of 12 months.

Once opened, consume within six months and store unopened following the same temperature and sunlight exposure guidelines.

In case of accidental spillage or leakage, rinse thoroughly with water to remove any residual product. Do not store WL-ASETTIX IPOCHLOR together with acids.



TRANSPORT:

WL-ASETTIX IPOCHLOR is not dangerous for transport and is not covered by ADR regulations. In order to preserve optimal efficacy during transport, we recommend the use of dark plastic containers (HDPE) to protect the product from light and store it at a temperature preferably between 5 and 25°C.

WARNINGS AND HANDLING:

WL-ASETTIX IPOCHLOR is classified as non-hazardous and non-corrosive: a metal corrosion test was performed on the mixture in order to downgrade it from the Met hazard statement. Corr. 1, H290, pursuant to paragraph 2.16 of Reg. (CE) 1272/2008 (CLP). The method for quantifying the metallic corrosion of the mixture followed the provisions of Part III, subsection 37.4, of the UN Manual "Recommandations on the Transport of Dangerous Goods, Manual of Tests and Criteria".

PACKAGING:

Article code WLASIPOK005, 5-litre cans, boxes of 2 pcs
Article code WLASIPOK025, 25 l canisters

CERTIFICATIONS AND REGISTRATIONS:

- **BAuA No. 98759**
Gemeldetes Biozid-Produkt
Biocide class PT2
Disinfectants and algicides
not intended for direct
application to humans or
animals
Biocide class PT5
Drinking water



www.baua.de/DE/Biozid-Meldeverordnung/Offen/offen.html

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