

次氯酸钠

Sodium hypochlorite

产品概述

次氯酸钠系列产品外观为浅黄色透明液体。常温常压下为浅黄色液体，是一种强碱弱酸盐，溶液显碱性，能与酸反应生成氯气，见光易分解。它在低温且碱性的环境下相对稳定，但温度超过 70℃时会分解加速。



性能特点

- 1、杀菌消毒效果显著；
- 2、去除有机物和异味效果明显；
- 3、成本低廉，使用便捷；
- 4、适用范围广。

技术指标

项 目	型 号 规 格					
	A <sup>a</sup>			B <sup>b</sup>		
	I	II	III	I	II	III
	指 标					
有效氯（以 Cl计） ω /% ≥	13.0	10.0	5.0	13.0	10.0	5.0
游离碱（以 NaOH 计） ω /%	0. 1~ 1. 0			0. 1~ 1. 0		
铁（Fe） ω /% ≤	0. 005			0. 005		
重金属（以 Pb计） ω /% ≤	0. 001			—		
砷（As） ω /% ≤	0. 000 1			—		
<div><div><sup>a</sup> A型适用于消毒 、杀菌及水处理等 。</div><div><sup>b</sup> B型仅适用于一般工业用 。</div></div>						

产品用途

次氯酸钠一般具有脱色、除污、漂白、消毒、软化水质等作用，需要合理使用。

- 1、脱色：可以进行水脱色处理，能够将污水颜色变成清澈透明状，无沉淀物沉淀。
- 2、除污：可以将水中铁锈、铝箔等杂质物质进行分离。
- 3、漂白：可以将纤维中所残留染料颜色进行分解褪色，去除异味。
- 4、消毒：处在酸性环境中，能够杀死细菌、真菌直接与细胞壁相反应，破坏细胞 DNA 结构。
- 5、软化水质：水里面含有很多钙镁离子，可以使用次氯酸钠能够增加水质碱化度，可以改善高硬度水质。

包装与贮存

1. 用吨桶、桶包装，吨桶净重 1000kg、桶装 200kg 、25kg。 运输过程中应轻装轻放，切勿倒置。
2. 本产品储存保管时应注意防潮、防火、防高温，要求存放在通风、干燥处。



Product Overview

The appearance of sodium hypochlorite series products is a light yellow transparent liquid. At room temperature and pressure, it is a light yellow liquid, which is a strong alkali and weak acid salt. The solution is alkaline and can react with acids to produce chlorine gas. It is easy to decompose when exposed to light. It is relatively stable in low temperature and alkaline environments, but decomposition accelerates when the temperature exceeds 70 °C.

Characteristics

1. The sterilization and disinfection effect is significant;
2. The effect of removing organic matter and odors is significant;
3. Low cost and easy to use;
4. Widely applicable.

Technical Specification

Project	Model specifications						
	A <sup>a</sup>			B <sup>b</sup>			
	I	II	III	I	II	III	
	Indicator						
Effective chlorine (calculated as Cl) ω/%	≥	13.0	10.0	5.0	13.0	10.0	5.0
Free base (calculated as NaOH) ω/%		0. 1~1. 0			0. 1~1. 0		
Iron (Fe) ω/%	≤	0. 005			0. 005		
Heavy metal (calculated as Pb) ω/%	≤	0. 001			—		
Arsenic (As) ω/%	≤	0. 000 1			—		
Type A is suitable for disinfection, sterilization, and water treatment. B type is only suitable for general industrial use.							

Applications

Sodium hypochlorite generally has functions such as decolorization, decontamination, bleaching, disinfection, and softening of water quality, and needs to be used reasonably.

1. Discoloration: Water decolorization treatment can be carried out, which can turn the color of sewage into a clear and transparent state without sediment precipitation.
2. Decontamination: It can separate impurities such as rust and aluminum foil in water.
3. Bleach: It can decompose and fade the residual dye color in fibers, removing odors.
4. Disinfection: In an acidic environment, it can kill bacteria and fungi, directly react with the cell wall, and destroy the structure of cell DNA.
5. Softening water quality: Water contains a lot of calcium and magnesium ions, and sodium hypochlorite can be used to increase the alkalinity of the water and improve high hardness water quality.

Package and Storage

1. Packaged in ton drums, with a net weight of 1000kg per ton drum, 200kg per drum, and 25kg per drum. During transportation, handle with care and do not invert.
2. When storing this product, attention should be paid to moisture, fire, and high temperature prevention, and it is required to be stored in a ventilated and dry place.



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