

Sodium Hypochlorite General Information Handbook

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Sodium Hypochlorite

NOTE: Important general information is contained in PART II, Chapter 8 Sodium hypochlorite (endorsed 2005) Sodium hypochlorite is used as a disinfectant and oxidant in the treatment of drinking water. It provides available chlorine in a liquid form, with less risk than storing and handling chlorine gas.
GENERAL DESCRIPTION

Sodium Hypochlorite Handbook - oxy.com

Sodium Hypochlorite General Information Handbook 1.0
Introduction The consumer of sodium hypochlorite requires an understanding of the product from a chemical and handling prospective. The information below is a brief summary of the product and is intended to assist the consumer to buy the best

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product, and to store and handle it correctly.

Sodium Hypochlorite (NaOCl)

Sodium hypochlorite is generally used dissolved in water at various concentrations. Although available, solid sodium hypochlorite is not commercially used. Sodium hypochlorite solutions are clear, greenish to yellow liquids with an odor of chlorine. Calcium hypochlorite is a white solid that readily decomposes in water releasing oxygen and chlorine.

Sodium Hypochlorite - an overview | ScienceDirect Topics

In the process, sodium hypochlorite (NaClO) and sodium chloride (NaCl) are formed when chlorine is passed into cold and dilute sodium hydroxide solution. The solution must be kept below 40 °C (by cooling coils) to prevent the undesired formation of sodium chlorate.

WHITE'S HANDBOOK OF CHLORINATION AND ALTERNATIVE DISINFECTANTS

Chemical Economics Handbook. Sodium hypochlorite is commonly referred to as liquid chlorine bleach throughout the world. In the United States, it is used principally as a laundry bleach or household cleaner. Use of household bleach has increased during the past few years, with growing concerns over infectious diseases.

THE CHLORINE MANUAL - Archer Instruments

The purpose of this handbook is to provide the consumer an understanding of the chemical properties of sodium hypochlorite and to further assist the consumer in the purchase, storage, use and handling of the product and associated equipment. 2.0 Chemistry of Sodium Hypochlorite

Hypochlorite Bleaches - Chemical Economics Handbook (CEH ...

Sodium Hypochlorite. The term "hypochlorite" refers to the salts of hypochlorous acid (HOCl). Since the acid is extremely unstable, most users handle the more stable hypochlorite solutions (salts) instead. These salts are prepared in solution by reacting chlorine with a strong alkali, such as caustic soda, or an

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alkaline earth hydroxide.

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Powell Fabrication & Manufacturing, Inc. Sodium Hypochlorite General Information Handbook 1.0 Introduction The consumer of sodium hypochlorite requires an understanding of the product from a chemical and handling perspective.

Sodium hypochlorite - Wikipedia

For general information on our other products and services or for technical support, please ... Rev. ed. of: Handbook of chlorination and alternative disinfectants / Geo. Clifford White. 4th ed. 1999. ... 9 Hypochlorination—Sodium Hypochlorite 452

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Sodium Hypochlorite General Information Handbook 1.0 Introduction The consumer of sodium hypochlorite requires an understanding of the product from a chemical and handling perspective. The information below is a brief summary of the product and is intended to assist the consumer to buy the best product, and to store and handle it correctly.

Sodium hypochlorite | NaOCl - PubChem

Sodium hypochlorite is a chemical compound with the formula NaOCl or NaClO, comprising a sodium cation and a hypochlorite anion. It may also be viewed as the sodium salt of hypochlorous acid. The anhydrous compound is unstable and may decompose explosively. It can be crystallized as a pentahydrate NaOCl·5H₂O, a pale greenish-yellow solid which is not explosive and is stable if kept refrigerated. Sodium hypochlorite is most often encountered as a pale greenish-yellow dilute solution ...

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Sodium Hypochlorite Handbook Important: The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS

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Talk:Sodium hypochlorite - Wikipedia

Powell, 'sodium hypochlorite fiberglass reinforced plastic (frp) storage tank specification' and 'sodium hypochlorite General information handbook', www.powellfab.com.

810 - Sodium Hypochlorite General Information Handbook 1.0 ...

Sodium Hypochlorite. The following is excerpted from Powell's Sodium Hypochlorite General Information Handbook. A free copy of the entire Sodium Hypochlorite General Information Handbook and other information about Sodium Hypochlorite are available in the Technical Information section.. 1.0 Introduction

SODIUM HYPOCHLORITE MANUAL

Sodium Hypochlorite General Information Handbook Updated April 8, 2002 1.0 Introduction The consumer of sodium hypochlorite requires an understanding of the product from a chemical and

Pamphlet 96) Sodium Hypochlorite Manual: Bookstore ...

information on recognized procedures for the safe handling of chlorine resulted in the publication of the first Chlorine Manual by the Chlorine Institute in 1947. Subsequent editions have been published in 1954, 1959, 1969, and 1986. The Chlorine Manual is a compendium of information available to the Institute based

FRP solutions for service with sodium hypochlorite - Plastics

Pamphlet 96) Sodium Hypochlorite Manual Contains information for the safe production, handling and use of both industrial and household strength bleach solutions. Provides basic information on useful physical and chemical properties, as well as compatible materials, handling systems and pertinent analytical procedures, emergency response, stability factors, and security issues.

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hypochlorite: chlorine and sodium hydroxide. Sodium hypochlorite was first manufactured in smaller quantities with

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the purpose of neutralizing chlorine sources obtained from chemical piping, process streams, processing equipment, or shipping containers before performing maintenance activities. Today, sodium hypochlorite represents one of Olin's most strategic businesses. This product is used

Chlorine and Derivatives

General information Sodium hypochlorite (NaOCl) solutions (bleach), potassium hypochlorite solutions KOC1 and ammonium hypochlorite solutions NH₄ OCl, diluted to 0.5-1%, are widely used as bactericides for doing the laundry or for cleaning domestic or agricultural premises.