INTRODUCTION

Technical Sodium Carbonate Peroxyhydrate is an addition compound of sodium carbonate and hydrogen peroxide. This granular product provides a stable source of alkaline hydrogen peroxide which is environmentally friendly and easy to use. Technical Sodium Peroxyhydrate has an active available oxygen content which is equivalent to 27.5% H₂O₂.

APPLICATIONS

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Technical Sodium Carbonate Peroxyhydrate is only for formulation into end-use algaecides/fungicides. It may be used for formulation into end-use products for control of algae in lakes, ponds, ornamental pools, fountains, irrigation systems, and drinking water reservoirs. It may also be used for formulation into end-use products for control of horticultural diseases on turf and ornamentals in and around residences, commercial buildings, nurseries, and greenhouses.

Products formulated from this product must be registered by the U.S. EPA. Technical Sodium Carbonate Peroxyhydrate may be used for formulating products for any additional uses not listed previously if the formulator, user group, or grower has complied with U.S. EPA requirements regarding the support of such uses.

TECHNICAL INFORMATION

Chemical Name: Sodium Carbonate Peroxyhydrate
Synonyms: Sodium Percarbonate, Sodium Carbonate Peroxide, PCS, SCP
Formula: 2Na₂CO₃·3H₂O₂
CAS No. 15630-89-4
EPA Registration number 68660-8
Solubility (20°C, g/L) 120
Alkalinity (%Na₂CO₃) 67

PRODUCT PROPERTIES

| Appearance: | Free flowing white granular powder |
| Available Oxygen (%) | 13.0 Minimum |
| Bulk Density (g/mL): | 0.95 - 1.17 |
| Particle Size Distribution (% Retained on) | |
| 850μ (US Sieve #20): | 10 Maximum |
| 212μ (US Sieve #70): | 90 Minimum |
| Mean Particle Size (μ): | 350-650 |
| Attrition (Solvay Method No. PC-371/01, %) | <5 |

STANDARD SPECIFICATIONS

| Appearance: | Free flowing white granular powder |
| Available Oxygen (%) | 13.0 Minimum |
| Bulk Density (g/mL): | 0.95 - 1.17 |
| Particle Size Distribution (% Retained on) | |
| 850μ (US Sieve #20): | 10 Maximum |
| 212μ (US Sieve #70): | 90 Minimum |
| Mean Particle Size (μ): | 350-650 |
| Attrition (Solvay Method No. PC-371/01, %) | <5 |
AVAILABILITY

Technical Sodium Percarbonate Peroxyhydrate is available from our Solvay Chemicals’ Deer Park, Texas production facility. For more information, or to place an order, please contact Solvay Chemicals Customer Service at 1-800-443-2785.

STORAGE AND HANDLING

Store in a dry location away from heat and out of direct sunlight in containers fitted with a safety valve or vent. Storage temperature:<104ºF (40ºC).

Store in an area away from acids, bases, metals, metal salts, reducing agents, organic materials or flammable substances.

Never return unused product to the storage container.

Rotate inventories - first in, first out.

Do not stack 50-lb bags more than 8 bags high. Do not stack 2000-lb bags. Do not stack pallets. Maintain spacing of at least two feet. Do not store on wooden pallets.

SAFETY

Ensure all personnel who may come in contact with this material are aware of the potential hazards, first aid measures and the proper storage and use techniques outlined in the Safety Data Sheet (SDS), which can be found at www.solvaychemicals.us.

Storage and use areas should be equipped with a safety shower and eyewash station.

Use appropriate eye and skin protection.

Dispose of according to applicable federal, state and local regulations.

Water is the preferred extinguishing medium in case of fire when sodium carbonate peroxyhydrate is present.

FIRST AID

Eye contact: Flush with running water for 15 minutes, while keeping eyelids wide open. Consult with an ophthalmologist in all cases.

Skin contact: Wash the affected skin with soap and water. Call physician in case of persistent pain or redness.

Inhalation: Remove the victim from the dusty environment. Call physician in case of respiratory symptoms.

Ingestion: Consult with a physician immediately in all cases. DO NOT induce vomiting. If victim is conscious, rinse mouth and give fresh water. NEVER give anything by mouth to an unconscious person.

DANGER

Oxidizer – Sodium Carbonate peroxyhydrate can cause severe eye damage and skin irritation. Consult the SDS for the appropriate Personal Protective Equipment to wear when handling sodium carbonate peroxyhydrate. In case of repeated contact with the skin, product may cause dermatitis. Prevent contact with eyes and avoid skin contact. Wash hands and skin thoroughly after handling. Damp product in contact with combustible materials may cause fire.
Before using, read Safety Data Sheet (SDS) for this chemical.

Solvay Chemicals, Inc.
24-hour Emergency Phone Number – 800-424-9300 (CHEMTREC®)

To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Solvay Chemicals, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Solvay Chemicals, Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

Trademarks: Trademarks and/or other Solvay Chemicals, Inc. products referenced herein are either trademarks or registered trademarks of Solvay Chemicals, Inc. or its affiliates, unless otherwise indicated.

Before using, read the Safety Data Sheet (SDS) for the chemical.