FB® 400C SODIUM PERCARBONATE

INTRODUCTION

FB® 400C Sodium Percarbonate 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. FB® 400C Sodium Percarbonate has an active available oxygen content which is equivalent to 27.5% H₂O₂. FB® 400C is a stabilized sodium percarbonate, with a nominal 6% coating.

APPLICATIONS

FB® 400C Sodium Percarbonate offers many of the same functional benefits as liquid hydrogen peroxide. As an oxidant, FB® 400C Sodium Percarbonate provides powerful cleaning, bleaching, stain removal and deodorizing capabilities. These attributes make FB® 400C Sodium Percarbonate a product that is environmentally benign because its products of decomposition are water, oxygen and sodium carbonate (soda ash).

FB® 400C Sodium Percarbonate has a wide range of applications including use in heavy-duty laundry detergents, all-fabric bleaches, wood-deck bleaches, textile bleaches and carpet cleaners. It is used in a number of general cleaning products in the institutional and industrial marketplace. The product also has use in personal care formulations, denture cleaners, and contains food-bleaching applications.

TECHNICAL INFORMATION

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

PRODUCT PROPERTIES

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Appearance:</td>
<td>Free flowing white granular powder</td>
</tr>
<tr>
<td>Available Oxygen (%):</td>
<td>13.0 Minimum</td>
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<tr>
<td>Bulk Density (g/mL):</td>
<td>0.95 - 1.17</td>
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<tr>
<td>Particle Size Distribution (% Retained on)</td>
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<tr>
<td></td>
<td>850μ (US Sieve #20): 15 Maximum</td>
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<tr>
<td></td>
<td>212μ (US Sieve #70):  90 Minimum</td>
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<tr>
<td>Mean Particle Size (μ):</td>
<td>350-650</td>
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AVAILABILITY

FB® 400C Sodium Percarbonate 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:<104°F (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.solvay.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 where sodium percarbonate 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 large quantities of fresh water. NEVER give anything by mouth to an unconscious person.
Before using, read Safety Data Sheet (SDS) for this chemical.

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

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