# Sodium Percarbonate

## Description

Sodium percarbonate is an environmentally safe bleach. It is white stabilized and coated granules for use in chemical industry with a wide range of applications:

- Bleaching cleaning and stain removal agent for detergent powders and automatic dishwashing
- Detergent formulations
- Bleaching agent for textile and paper industry
- Stain remover agent for stain remover products
- Oxidizer disinfectant for a variety of industrial cleaning applications

Sodium percarbonate effectively removing tea, coffee, vine, fruit, and other stains without damaging fabric and safe color.

### Technical name
Sodium percarbonate technical encapsulated

### Chemical name
Sodium Carbonate Peroxihydrate

### Synonyms
Sodium percarbonate, disodium carbonate, compound with hydrogen peroxide (2:3), SPC

### Molecular weight
314

### CAS
15630-89-4

### EC (EINECS)
239-707-6

## Standard specifications

<table>
<thead>
<tr>
<th>Items</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available oxygen</td>
<td>%</td>
<td>13.3±0.4</td>
</tr>
<tr>
<td>Bulk density</td>
<td>g/l</td>
<td>1200-1270</td>
</tr>
<tr>
<td>Moisture</td>
<td>%</td>
<td>≤0.8</td>
</tr>
<tr>
<td>Particle size &gt;1600μm</td>
<td>%</td>
<td>≤1</td>
</tr>
<tr>
<td>&lt;150μm</td>
<td>%</td>
<td>≤2</td>
</tr>
<tr>
<td>Mean particle size (MPS)</td>
<td>μm</td>
<td>600-900</td>
</tr>
</tbody>
</table>

## Physical and chemical properties

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, color</td>
<td>White free-flowing granules</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH, 1%</td>
<td>10.5-10.7</td>
</tr>
</tbody>
</table>

### Solubility in water:
- At 20°C: 150 g/l
- At 30°C: 175 g/l
Decomposition temperature >75°C
(Self-accelerating decomposition temperature (SADT))

**Packaging**

Big-bags 1000 kg
Bags 25 kg

**Storage**

- Avoid contact with water, alkalis, dispersed-element salts (heavy-metal salts), reducing agents and organic materials, contaminants.
- Protect from direct sunlight, keep away from heat sources.
- Store packed material in covered warehouses equipped ventilation system at temperature ≤35°C.

**Safety and Handling**

Oxidizer. Causes eye and skin irritation. May cause inflammation in contacting with combustible materials. Keep only in the original container. Store in receptacle equipped with a vent.

Personnel should wear gloves, eye and face protection, and suitable protective clothing.
Take the injured person to a safe place and supply fresh air.
Do not smoke in work area. First aid measures:
After inhalation: Fresh air, rest and warm environment. Wash mouth, nose and throat with water, where possible. Consult doctor in case of symptoms.

After skin contact:
Remove contaminated clothes and/or footwear and rinse thoroughly affected skin areas with water. Wash the removed clothes and/or footwear to reduce fire hazard.

After eye contact:
Remove contact lenses if used. Rinse opened eye(s) with water for 15 minutes. Seek immediate medical advice.

After swallowing:
Place the injured person in reclined position. Wash mouth with water. Don’t cause vomiting. Let him/her drink as much water as possible. Seek immediate medical advice.