

## Technical Data Sheet 产品资料单

# Sodium percarbonate

### Product Introduction

Sodium percarbonate ( $2\text{Na}_2\text{CO}_3 \cdot 3\text{H}_2\text{O}_2$ ), commonly known as solid hydrogen peroxide, is an odourless, white or pale yellow powder. It can decompose at low temperature to release active oxygen, which can perform well on washing or bleaching, stain removal, decontamination and sterilization. Meanwhile, sodium carbonate generated when sodium percarbonate decomposes, can adjust the pH of solution, reduce calcium and magnesium ions in hard water. In addition, more negative charges will accumulate between the dirt and fiber as the pH value increases so that the mutual repellency between fiber and dirt can be increased and thereby the effect of bleaching and washing improved. Oxygen, water and sodium carbonate that comes from decomposition of sodium percarbonate, have no any negative impacts on environment. Therefore sodium percarbonate is a high-performance and environmentally friendly oxygen bleacher.

### Basic Information

Name: Sodium percarbonate

CAS: 15630-89-4

Molecular Formula:  $2\text{Na}_2\text{CO}_3 \cdot 3\text{H}_2\text{O}_2$

Molecular Weight: 314.02

### Product Information

Test items	Specification
Appearance	White, freely flowing granule
Available Oxygen,%	$\geq 13.0$
Loss on drying,%	$\leq 2.0$
Stability,%	$\geq 90.0$
pH (30g/L,25°C)	10-11
Bulk Density, g/L	0.70~1.20

### Product Usage

Sodium percarbonate is widely used in various industrial and civil products, such as detergents, bleach powder, wood floor, carpet cleaners, etc. Sodium percarbonate can be made into all kinds of disinfectants, oxygen agent for fishpond, treatment agent for industrial waste water, disinfection for medical, etc. In addition, sodium percarbonate can also be used for food bleaching, pulp bleaching and textile dyeing.

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**Packaging:** 25Kg/700 Kg PP-PE Bag.

**Transportation:**

UN number: UN3378.

UN proper shipping name: SODIUM CARBONATE PEROXYHYDRATE..

Transport hazard class (es): 5.1.

Packaging group: PGII..

**Storage:** Keep in a cool, dry, well-ventilated place below 40°C and 75%R.H. Keep tightly closed until used. Store away from incompatible substance. Keep away from fire and heat source. Seal packaging. Pay attention to moisture and rain. Stored separately with reducing agents, acids, easy (can be) burning materials.