

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

Items	Unit	Value
Available oxygen	%	13.3±0.4
Bulk density	g/l	1200-1270
Moisture	%	≤0.8
Particle size		
>1600µm	%	≤1
<150µm	%	≤2
Mean particle size (MPS)	µm	600-900

Physical and chemical properties

Characteristic	Value
Appearance, color	White free-flowing granules
Odor	Odorless
pH, 1%	10.5-10.7

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 $\leq 35^{\circ}\text{C}$.

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.
