

## Sodium Percarbonate CG

### Solid Active Oxygen Agent

Sodium Percarbonate CG (Coarse Grade) is a solid, environmentally friendly and highly stable bleaching agent, which combines the properties of hydrogen peroxide and sodium carbonate and provides an excellent bleaching and oxidizing performance as well as alkalinity. One of the remarkable features of spray granulated Sodium Percarbonate CG is its excellent storage stability, which is achieved by a sophisticated production process with a highly efficient coating.

Sodium Percarbonate CG is used, for example, as a bleaching and oxidizing component in laundry powders and tablets, automatic dishwashing detergents, bleach boosters and denture cleaning agents where an extra high particle size is required.

Due to its high bulk density, the product is ideally suited for compact formulations.

Outside detergent applications it can be used as a source of alkaline hydrogen peroxide, for example, in fish farming, as an oxidizing agent in the textile industry or as a foaming agent (source of gaseous oxygen).

For more detailed information, please visit our home page at [www.evonik-treibacher.com](http://www.evonik-treibacher.com) or contact our Applied Technology Department.

### Standard specification

Parameter	Unit	specification limits	typical production data
Active oxygen	%	≥ 13.0	13.3
Bulk density	g/l	900 - 1200	980
Average particle size	µm	-	1250
Particle size			
>2000 µm	%	≤ 10	<4
< 800 µm		≤ 10	5
TAM value (48h at 40°C)	µW/g	≤ 10	5
Dissolution rate (2.5 g/l; 20°C)	90% / Sec.	-	≤ 135
Moisture (IR; 60°C;)	%	≤ 0.5	0.15

### Physical and chemical properties

Appearance	White, odourless, free-flowing salt
Characterization	Addition compound of soda ash (Na <sub>2</sub> CO <sub>3</sub> ) and hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )
Formula	Na <sub>2</sub> CO <sub>3</sub> *1.5 H <sub>2</sub> O <sub>2</sub>
Molecular mass, g/mol	157.03
pH 10g/l; 25°C	10.5
Water solubility, g/l	140

### Production plant

Althofen Austria

### Packaging

Bulk, big bags, PE-lined 25kg paper bags

## Sodium Percarbonate CG

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#### Identification

Chemical Name Sodium Carbonate Peroxyhydrate  
EC Name Disodium Carbonate, compound with hydrogen peroxide (2:3)

#### Classification

CAS No.: 15630-89-4  
EINECS-No.: 239-707-6  
REACH-No.: 01-2119457268-30-0005  
Registered: TSCA; DSL; AICS; MITI; PICCS; China; TCCL; Switzerland  
HS No. 2836.99

#### Labeling (in accordance to EU-CLP Regulation (EC) No. 1272/2008)

Oxidizing solids	Cat. 3	H272
Acute toxicity	Cat. 4	H302
Serious eye damage/ eye irritation	Cat. 1	H318

#### Storage

Sodium Percarbonate CG has to be stored in original ventilated paper bags or big bags or dedicated silos, vented and protected from direct sun in cool and dry areas. It is important to keep Sodium Percarbonate CG protected from all types of contamination and away from combustible/oxidizable materials.

#### Safe handling

While working with Sodium Percarbonate CG, always wear safety goggles and gloves. Use clean, dry silos and equipment of compatible materials. Do not return unused product to original container and do not use spilled (contaminated) material again. In case of dust, wear eye and respiratory protection. Avoid all contact with combustible material, e.g. organic material or oxidizable products.

#### Hazards

Sodium Percarbonate CG is classified as an oxidizer. Improper handling may result in rapid decomposition. Decomposition of Sodium Percarbonate CG can liberate oxygen and steam which can lead to pressure build-up when stored in hermetically closed systems.

#### Transportation

UN Code	3378	Warning panel, Orange	50 / 3378
ADR/RID Class	5.1	Packing group	III

For more detailed information on labeling, transport regulations, first aid and toxicological information, please refer to the material safety data sheet.

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