

Technical Data Sheet 产品资料单

Sodium perborate

Product Introduction

Sodium perborate, one of very important industrial peroxy acid salts, is widely used as inexpensive and safe oxidizing agent in cleaning and washing, bleaching, disinfection, papermaking and textile industries. It has very high oxidation activity and stability so as to store and transport expediently. Moreover, sodium perborate, which can decompose to borate salts and release oxygen, is a kind of environmentally friendly oxidants.

Sodium perborate has two kinds of specification--- tetrahydrate and monohydrate. The sodium perborate monohydrate, derived from sodium perborate tetrahydrate that is subject to removal of hydrated water, has higher available oxygen, stability and dissolution rate.

Basic Information

Name	sodium perborate tetrahydrate	sodium perborate monohydrate
CAS	10486-00-7	10332-33-09
Molecular Formula	NaBO ₃ ·4H ₂ O	NaBO ₃ ·H ₂ O
Molecular Weight	153.86	99.81

Specification

Test Items	Specification	
	sodium perborate tetrahydrate	sodium perborate monohydrate
Appearance	White, freely flowing granule	White, freely flowing granule
Available Oxygen, %	≥10.0	≥15.1
pH	9.9~10.9	9.9~10.9
Ferric, %	≤ 0.0015	≤ 0.0015
Bulk Density, g/L	500~850	500~640
Wet Stability, %	≥82	≥82

Application

Sodium perborate, a high-performance oxygen leaching agent that performs well in washing, bleaching, stain or odor removal and disinfection, is widely applied in detergents, bleach powders, Personal care formulations, as well as bleaching agents of

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Textile and paper pulp. Sodium Perborate will be fully activated to release oxygen when bleach activators, such as TAED, DECOBS or BA200, are added.

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

Transportation:

UN number: UN3377.

UN proper shipping name: SODIUM PERBORATE MONOHYDRATE.

Transport hazard class (es): 5.1.

Packaging group: PGIII.

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.