

## Technical Data Sheet 产品资料单

# Potassium Monopersulfate compound

### Product Introduction

Potassium Monopersulfate compound is a free flowing, white granular, and soluble in water (20°C, 256 g/L). The composition of Potassium Monopersulfate compound includes Potassium hydrogen peroxy monosulfate (KHSO<sub>5</sub>), Potassium bisulfate (KHSO<sub>4</sub>) and potassium sulfate (K<sub>2</sub>SO<sub>4</sub>). Potassium Monopersulfate compound has relatively high redox potential. Therefore it is a highly effective oxidant and disinfectant.

### Basic Information

Name: Potassium Monopersulfate compound

CAS: 70693-62-8

Molecular Formula: 2KHSO<sub>5</sub>•KHSO<sub>4</sub>•K<sub>2</sub>SO<sub>4</sub>

Molecular Weight: 614.7

### Product Information

Test items	Specification
Appearance	White, freely flowing granule
Available Oxygen, %	≥4.5
Moisture, %	≤0.5
Bulk Density, g/L	0.80~1.20
pH (10g/L, 25°C)	2.0~2.3
Particle Size Distribution (0.850~0.075mm), %	≥90.0

### Product Usage

Potassium Monopersulfate compound, a stable, convenient and excellent acidity oxidant, is widely used in industries. It is used in oral hygiene, pool and spa water disinfection, PCB etchant, Pulp bleach, wool fabrics shrink treatment agent, precious metal refining agent. Potassium Monopersulfate compound is also used in organic synthesis, such as epoxidizing the double bonds of organic molecule, or as initiator in many radical polymerization. In addition, Potassium Monopersulfate compound can oxidize the hydrogen sulfide or sulfur-containing substances in the wastewater, provide oxygen in aquaculture, and bleach to remove stains at low temperature.

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

**Transportation:**

UN number: UN3260.

UN proper shipping name: Corrosive solid, N.O.S (Contains monopersulphate compound).

Transport hazard class (es): 8.

Packaging group: PGII..

**Storage:** Keep in a cool, dry, well-ventilated place. 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.