



# Madhu Chemicals

Quality Through Innovation

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## POTASSIUM MONO PERSULPHATE (Triple Salt)

We offer you goodselves Potassium Mono Persulphate manufactured by one of the largest and the oldest manufacturer of Persulfates our principles have shown their presence since last 100 years in this field of manufacturing persulfates and organic peroxides / inorganic peroxides. Our product is a well known brand i.e. **CAROAT®** by itself.

**We are proud to inform that, we are Authorised SOLE SELLING AGENTS of our Principal Company M/s. United Initiators, Germany, a part of Evonik Degussa (One of the largest Multinational Company)**

### Product Description:

White, crystalline, odourless, free flowing salt consisting of potassium peroxymonosulfate, potassium hydrogen sulfate and potassium sulfate. The only stable transportable salt of Carcoat® acid is its triple salt. KMPS undergoes a strongly acid reaction in aqueous solution. As a result of its high oxidation potential and microbiological effectiveness, it can be used for a large number of different applications. It has the particular advantage of being highly stable in storage, easy and safe to handle, free from chlorine and of having a relatively high reactivity.

### Applications:

- Used in oral hygiene formulations
- Pool and Spa proofing
- Laundry bleaches
- Precious metal extraction process
- Used to oxidize hydrogen sulfide in waste water treatment
- As an low temperature bleaching agent in detergent formulation

<b>Chemical Name :</b>	Potassium monopersulphate (KMPS); Potassium Peroxymonosulfate
<b>CAS No. :</b>	70693-62-8
<b>Molar Mass :</b>	614,76 g/mol
<b>Molecular Formula :</b>	Potassium monopersulphate triple salt : $2 \text{KHSO}_5, \text{KHSO}_4, \text{K}_2\text{SO}_4$

### Specifications

Appearance	White crystalline salt
KHSO5 content (typically)	Ca. 45 % w/w
Active oxygen (typically)	Ca. 4.7 % w/w
Peroxodisulfate content (typically)	Ca. 1.8 % w/w
Iron content (typically)	Ca. 3 mg/kg
Bulk density (typically)	Ca. 1100 g/l
Melting point	(decomposition)
Solubility in water at 20°C	Ca. 250 g/l
pH of a 1% solution in water (typically)	Ca. 2.0
Decomposition of the product as supplied	At above 60 °C
Recommended Storage Temperature	Below 30 °C

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