



TECHNICAL DATA SHEET

POTASSIUM PERSULFATE AR

Potassium peroxodisulfate

Article No.	316190500	Molecular Formula	K ₂ S ₂ O ₈
H.S. Code	2833.2990	Molecular Weight	270.31
CAS No.	7727-21-1		

Physical Properties

Physical state at 20 °C	Solid
Colour	White powder
Odour	Odorless
pH value	2.5 - 4.5
Melting point [°C]	100 °C
Vapour density	9.3
Density [g/cm ³]	2.48
Solubility in water [% weight]	27 g/l at 20 °C - completely soluble

Specifications

Assay % Min 99.00

Insoluble matter % Max 0.005

Chloride compounds (as Cl) % Max 0.001

Nitrogen compounds (as N) % Max 0.001

Iron (Fe) % Max 0.0005

Heavy metals (as Pb) % Max 0.001

Manganese (Mn) % Max 0.0001

Safety Information and Hazard Symbols



Symbol	GHS03, GHS07, GHS08
Signal Word	Danger
UN No	1492
IMCO Class No.	5.1
Hazardous Statement	H272-H302-H315-H317-H319-H334-H335

Precaution Statement	P210-P280-P302+P352-P304+P340-P305+P351+P338-P342+P311-P370+P378-P501
Packing Group	III