

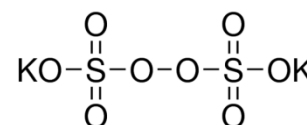


# Product Specification

cdhfinechemical.com

## POTASSIUM PERSULPHATE

<b>PRODUCT CODE</b>	196175
<b>SYNONYMS</b>	(Potassium peroxodisulphate)
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	(7727-21-1)
<b>ATOMIC OR MOLECULAR FORMULA</b>	$K_2S_2O_8$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	270.31
<b>PROPERTIES</b>	Gradually decomposes, losing available oxygen; decomposes more quickly at higher temperature (~100°C). Powerful oxidising agent.



PARAMETER	LIMIT
Description	White granular crystals or crystalline powder.
Solubility	0.1 M solution at 20°C, complete, colourless (i.e. abt. 2.7% soln.)
Minimum Assay (Redox titration)	98.00%

MAXIMUM LIMIT OF IMPURITIES	
Chloride (Cl)	0.04%
Iron (Fe)	0.005%
Heavy metals (as Pb)	0.005%

**Note(s) : Assay (if applicable) method mentioned.**

<b>DANGER</b> <b>Hazard statements :</b> May cause respiratory irritation. May intensify fire; oxidizer. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. <b>Precautionary statements</b> <b>Prevention:</b> Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. <b>Response:</b> IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.	IMDG Code : 5.1/III UN No. : 1 492 IATA : 5.1
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**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water

Hazard Pictogram(s) :-		
 GHS03	 GHS05	 GHS07

Replace date 29-May-2023