

## POTASSIUM PERSULPHATE AR

<b>PRODUCT CODE</b>	<b>615065</b>	
<b>SYNONYMS</b>	(Potassium peroxodisulphate)	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	(7727-21-1)	
<b>ATOMIC OR MOLECULAR FORMULA</b>	$K_2S_2O_8$	$  \begin{array}{c}  \text{O} & & \text{O} \\     & &    \\  \text{KO}-\text{S}-\text{O}-\text{O}-\text{O}-\text{S}-\text{OK} \\     & &    \\  \text{O} & & \text{O}  \end{array}  $
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>270.31</b>	
<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)	99.00%

MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.005%
Chlorine compounds (as Cl)	0.001%
Nitrogen compounds (as N)	0.001%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.001%
Manganese (Mn)	0.0001%

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

<p><b>DANGER</b></p> <p><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.</p> <p><b>Precautionary statements</b></p> <p><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.</p> <p><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.</p>	<p>IMDG Code : 5.1/III</p> <p>UN No. : 1492</p> <p>IATA : 5.1</p>
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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) :-**

