



## POTASSIUM IODATE AR OXIDIZING AGENT IN VOLUMETRIC CHEMICAL ANALYSIS

PRODUCT CODE	614405	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(7758-05-6)	
ATOMIC OR MOLECULAR FORMULA	KIO <sub>3</sub>	KIO <sub>3</sub>
ATOMIC OR MOLECULAR WEIGHT	214.00	
PROPERTIES	Oxidizing agent.	
PARAMETER	LIMIT	
Description	A white crystalline powder.	
Solubility	5% solution in warm water is clear and colourless.	
Minimum Assay (Iodometric, after drying)	99.9%	
pH of (5% Solution)	5.5 - 9.0	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 130°C)	0.05%	
Insoluble matter	0.003%	
Bromate, Bromide, Chlorate Chloride (As Cl)	0.02%	
Sulphate (SO <sub>4</sub> )	0.01%	
Nitrogen compounds (N)	0.002%	
Copper (Cu)	0.001%	
Iodide (I)	0.001%	
Iron (Fe)	0.001%	
Lead (Pb)	0.001%	
Note(s) : Assay (if applicable) method mentioned.		
<b>DANGER</b> <b>Hazard statements</b> : May cause respiratory irritation. May intensify fire; oxidizer. Causes mild skin irritation. Causes serious eye irritation. <b>Precautionary statements</b> <b>Prevention</b> : Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat. <b>Response</b> : Wear eye/face protection. If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		IMDG Code : 5.1/II UN No. : 1479 IATA : 5.1
<b>Disposal</b> : Add bromine / iodine / inorganic peroxide / oxidants to be disposed to large amount of water and then make harmless by addition of acidic sodium thiosulphate solution		
<b>Hazard Pictogram(s) :-</b> <div style="display: flex; justify-content: center; align-items: center; gap: 20px;">   </div> <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <span>GHS03</span> <span>GHS07</span> </div>		