

**Potassium Iodate FCC**

CAS No. 7758-05-6

**KIO<sub>3</sub>****M.W. 214.0****Product Data Sheet**

PDS-KIO-R4

Effective 01/01/07

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<b>Description</b>	:	White odourless free-flowing crystals. Complies with Food Chemicals Codex V <sup>th</sup> Edition	
<b>Specifications</b>	:	Assay as KIO <sub>3</sub> (on dry basis)	: 99.5% (Minimum)
		Iodide as I	: 0.002% (Maximum)
		Chlorate as ClO <sub>3</sub>	: 0.01% (Maximum)
		Lead as Pb	: 4 mg/kg (Maximum)
		Loss on Drying	: 0.5% (Maximum)
<b>Physical Properties</b>	:	Bulk Density (approx.)	: 2.1 grams/cc
		Particle Density	: 3.9 grams/cc
		Solubility	: About 1gm in 15 ml water at 25° C
<b>Packing</b>	:	25 Kg nett certified UN performance standard PG II fibre drums with HM-HDPE inner bags. Palletized; stretch-wrapped for exports.	
<b>Stability</b>	:	Stable compound with long shelf life when stored properly. Best before three years from manufacturing date. Thereafter re-test before using.	
<b>Storage &amp; Handling</b>	:	Store in closed containers away from heat and moisture. Moderate fire hazard. Keep away from combustible materials.  Wear goggles and rubber gloves when handling bulk quantities. Harmful if swallowed. Avoid contact with eyes, skin, clothing. In case of spillage, collect into container for disposal. Flush with <i>plenty</i> of water.	
<b>Uses</b>	:	Food Industry	: Iodination of edible salt. Maturing agent and dough conditioner
		Agriculture	: Animal feed supplement.
		Pharmaceuticals	: Manufacture of iodine compounds. Treatment for exposure to radioactivity.
		Textiles	: Oxidation of sulphur dyes
<b>Shipping Information</b>	:	EINECS Nr.	: 231-831-9
		H.S. Tariff No.	: 282990
		UN No.	: UN 1479 Packaging Group : II
		IMDG Code:	
		Proper Shipping Name:	Oxidizing Solid N.O.S. (Potassium Iodate)
		Hazard Class	: 5.1 Oxidizing Substance
		EmS No.	: 5.1-11 MFAG Table No: 760
		Label	: Oxidizer
		Subsidiary Risk	: None
		Marine Pollutant	: No

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