



SODIUM IODATE - Physical & Chemical Properties

CASR No.	[7681-55-2]
EC-No.	231-672-5
HS-No.	2829 90 80
Road / Rail	5.1 27 b
IMDG-Code	5.1 / II UN 1479
IATA / DGR	5.1 II UN 1479 CAO 511 PAX 508
Poison-class	(CH) 3
Packing-cat	L
Merck-Index	10, 8468
Mol. Formula	NaIO ₃
Mol. Weight	197.89
Specific Density , 20 °C	4.28 g / cm ³
Bulk Density	~ 1150 kg/m ³
Melting Range	decomposes
Thermal Decomposition	at mp
Solubility in H ₂ O, 20 °C	81 g per 100 ml
pH value (9 g / 100 ml, H ₂ O, 25 °C)	~ 5.8
Atmospheric Susceptibility	Absorbs moisture
Chemical Reaction	Oxidizing, Corrosive

Relevant Risk, Safety & Disposal Aspects

Risk	R 8	Contact with combustible matter at higher temperature may cause fire.
Safety	S 17	Keep away from combustible material.
Disposal	D 22	Should be rendered harmless by reduction with acidic Sodium thiosulphate solution.

Application, Storage & Packing

Application	As a source for supplement of Iodine, as analytical reagent etc.
Storage	Store in a well closed container.
Packing	In 25 kg with double polythene bags inside HDPE Drum.



SODIUM IODATE - LR

Description	White fine crystalline powder
Assay (iodometric, dry basis)	min. 99 %

Maximum Limits of Impurities

Loss on drying (110 °C, 2 hours)	0.5 %
pH (5 % w/v in water)	5.0 – 8.0
Bromate, bromide, chlorate & chloride (as Cl)	0.02 %
Iodide (I)	0.005 %
Sulphate (SO ₄)	0.005 %
Heavy metals (as Pb)	0.002 %
Iron (Fe)	0.001 %