



## CALCIUM IODATE MONOHYDRATE - Physical & Chemical Properties

CASR No.	[ 7789 – 80 - 2 ]
EC-No.	232-191-3
Road / Rail	5.1 27 b
IMDG-Code	5.1 / II UN 1479
Merck-Index	12, 1719
Mol. Formula	Ca ( IO <sub>3</sub> ) <sub>2</sub> .H <sub>2</sub> O
Mol. Weight	407.90
Solubility in water	Insoluble
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.



## CALCIUM IODATE MONOHYDRATE - LR

Description	White fine crystalline powder
Assay [ iodometric, dry basis, as $\text{Ca}(\text{IO}_3)_2$ ]	min. 99.0 %

### **Maximum Limits of Impurities**

Loss on drying ( 110 °C, 2 hours )	0.5 %
Bromate, bromide, chlorate, chloride (as Cl)	0.02 %
Sulphate ( $\text{SO}_4$ )	0.005 %
Potassium ( K )	0.1 %
Sodium ( Na )	0.5 %