



Product Specification

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BISMUTH NITRATE PENTAHYDRATE

PRODUCT CODE	H06695
SYNONYMS	--
C.I. NO.	--
CASR NO.	10035-06-0
ATOMIC OR MOLECULAR FORMULA	$\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$
ATOMIC OR MOLECULAR WEIGHT	485.07
PROPERTIES	Soluble in dilute nitric acid, alcohol, acetone ; slowly decomposed by water to the sub nitrate.
Bi(NO ₃) ₃ ·5H ₂ O	
PARAMETER	LIMIT
Description	Colourless deliquescent crystals with an odour of Nitric acid.
Solubility	10% solution in water in a mixture of dilute nitric acid and water is clear and colourless.
Minimum assay (Complexometric)	98.0%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.005%
Chloride (Cl)	0.001%
Sulphate (SO ₄)	0.005%
Iron (Fe)	0.001%
Silver (Ag)	0.001%
Copper (Cu)	0.002%
Heavy metals (Pb)	0.002%
Calcium (Ca)	0.005%
Potassium (K)	0.01%
Sodium (Na)	0.02%
Arsenic (As)	0.001%
Note(s) : Assay (if applicable) method mentioned.	
DANGER Hazard statements: May cause respiratory irritation. May intensify fire; oxidizer. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Precautionary statements Prevention: Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat. Response: If skin irritation occurs, seek medical advice/attention. Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. 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 4UN No. : 1477 IATA : 5.1
Disposal: The quantities greater than 10g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company.	
Hazard Pictogram(s) :-  GHS03GHS07	