

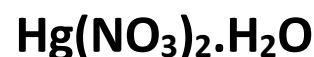


# Product Specification

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## MERCURIC NITRATE MONOHYDRATE

PRODUCT CODE	029166
SYNONYMS	[Mercury (II) nitrate]
C.I. NO.	--
CASR NO.	(7783-34-8)
ATOMIC OR MOLECULAR FORMULA	Hg(NO <sub>3</sub> ) <sub>2</sub> .H <sub>2</sub> O
ATOMIC OR MOLECULAR WEIGHT	342.62
PROPERTIES	Hygroscopic, photosensitive, soluble in small amount of water, with much water an insoluble basic salt is formed.



PARAMETER	LIMIT
Description	White to slightly yellow colour crystals /crystalline powder.
Solubility	10% solution in dilute nitric acid is clear.
Identification	Passes test.
Minimum Assay (Precipitation titration of Hg)	98.0%

MAXIMUM LIMIT OF IMPURITIES	
Residue after reduction	0.01%
Chloride (Cl)	0.002%
Sulphate (SO <sub>4</sub> )	0.002%
Iron (Fe)	0.001%
Mercurous mercury (as Hg)	0.2%

**Note(s): Assay (if applicable) method mentioned.**  
**2] Storage: protected from light and moisture in a well closed container.**

<p><b>DANGER</b> <b>Hazard statements:</b> Fatal in contact with skin. Fatal if inhaled. Fatal if swallowed. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects</p> <p><b>Precautionary statements</b> <b>Prevention:</b> Wear protective gloves/clothing. Do not get in eyes, on skin or on clothing. Obtain special instructions before use. Wear respiratory protection. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.</p> <p><b>Response:</b> If exposed or concerned: Get medical attention advice. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. Immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. F ON SKIN: Gently wash with plenty of soap and water. Wash/ Decontaminate removed clothing before reuse.</p> <p><b>Disposal:</b> The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company. The chemical waste should be collected by specialized disposal company.</p>	<p>IMDG Code : 6.1/II UN No. : 1625 IATA : 6.1</p>
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GHS06



GHS08



GHS09