

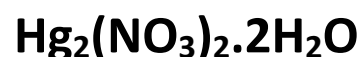


Product Specification

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MERCUROUS NITRATE DIHYDRATE

PRODUCT CODE	029182
SYNONYMS	(Mercury (II) nitrate)
C.I. NO.	--
CASR NO.	(14836-60-3)
ATOMIC OR MOLECULAR FORMULA	Hg ₂ (NO ₃) ₂ .2H ₂ O
ATOMIC OR MOLECULAR WEIGHT	561.22
PROPERTIES	Protect from light . mp ~70°C (with decomposition)



PARAMETER LIMIT

Description	White crystalline powder becomes coloured on exposure to light.
Solubility	10 gms in a mixture of 20 ml water and 4 ml dilute nitric acid. The solution is clear and colourless.
Minimum Assay (Oxidimetric)	95.0%

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition red.	0.1%
HCOOH (SO ₄)	
Substances insoluble in nitric acid	Passes test.
Chloride (Cl)	0.03%
Sulphate (SO ₄)	0.03%
Iron (Fe)	0.005%
Mercury (II)(as Hg)	3.0%

Note(s) : 1] Assay (if applicable) method mentioned.

Hazard statements: Fatal in contact with skin. Fatal if inhaled. Fatal if swallowed. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. 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.

Precautionary statements

Prevention: Wear protective gloves/clothing. In case of inadequate ventilation wear respiratory protection. Contaminated clothing should not be allowed out of the workplace. Do not get in eyes, on skin or on clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Wear respiratory protection. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Use personal protective equipment as required.

Response: If exposed or concerned: Get medical attention advice. Keep container tightly closed. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Specific treatment: refer to Label or MSDS. Remove/Take off immediately all contaminated clothing. Get medical advice/attention if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Wash/Decontaminate removed clothing before reuse. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water.

IMDG Code : 6.1/II
UN No. : 1627
IATA : 6.1



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Disposal: Dissolve the chemical in dilute acid and neutralize the excess acid with sodium carbonate and run to the normal waste with large amount of water .Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste. Alternatively the neutralized solution can be put in a container and disposed off. The quantities greater than 1 0g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company. The waste chemical should be buried on a stage approved site .The liquids should be absorbed on sand.The chemical waste should be collected by specialized disposal company.



GHS06



GHS08



GHS09