

MATERIAL SAFETY DATA SHEET

24HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: Mercury (II) nitrate
CAS#: 7783-34-8
FORMULA: Hg(NO₃)₂.H₂O
SYNONYM: Nitric acid, mercury (+2) salt monohydrate

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7783-34-8	100	0.025mg/m ³ (as Hg)	1mg/10m ³ (as Hg)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Mercury salts are poisonous by ingestion and inhalation
PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin
EYE CONTACT: May cause slight to mild irritation of the eyes.
SKIN CONTACT: May cause mild to severe irritation of the skin. May be absorbed through the skin.
INHALATION: The chief effect of mercury is on the central nervous system and the mouth and gums.
INGESTION: Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.
CHRONIC HEALTH EFFECTS: The chronic effects of mercury poisoning include stomatitis, tremors, pshysic disturbances, excessive salivation, and pain on chewing. Other effects include loss of memory, insomnia, lack of confidence, irritability and depression.
ACUTE HEALTH EFFECTS: May be irritating to skin, eyes and respiratory tract.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.
SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.