

MATERIAL SAFETY DATA SHEET

CHEMICAL NAME & SYNONYMS MERCURIOUS NITRATE		FLINN CATALOG NUMBER M0049, M0050, M0135, M0170, M0182
FORMULA HgNO ₃ H ₂ O	FORMULA OR ATOMIC WEIGHT 280.61	CAS NUMBER 7782-86-7
PHYSICAL DATA (DENSITY, SOLUBILITY, ETC.) Specific Gravity: 4.785 Melting Point: 70 C Soluble in small quantities of warm water.		
APPEARANCE AND ODOR Short, prismatic crystals; effloresces and becomes anhydrous in air. Faint nitric acid odor.		
COMPATIBLE CHEMICAL FAMILY Inorganic #3 See Flinn Chemical Catalog/Reference Manual	DOT CLASS Poison	REACTIVITY Stable
CONDITIONS TO AVOID (IF ANY): Avoid body contact; avoid breathing dust. May be explosive if shocked or heated. Avoid contact with organic materials. Protect from light.		
HEALTH HAZARDS (IF ANY): Severely toxic. Not all health aspects of this substance have been fully investigated.		THRESHOLD LIMIT VALUE (TLV) IF ESTABLISHED 0.05 mg/cu meter as mercury
FIRE HAZARDS (IF ANY): Use a triclass, dry chemical fire extinguisher. May explode if heated. Decomposition releases toxic mercury vapors.		
SPILLS AND LEAKS: Gather up material in a pile (do not sweep). Place in a suitable container. Use the disposal method listed on the right.		DISPOSAL METHOD 27f See Flinn Chemical Catalog Reference Manual
SPECIAL PRECAUTIONS (IF ANY): Wear chemical gloves and goggles. Use and dispense only in a fume hood. Practice strict hygiene when using this material. Always treat nitrates with care to avoid shock and heat.		
FIRST AID (IF SUBSTANCE DANGEROUS): External: Wash affected parts with copious quantities of water. Internal: Wash mouth; see a physician. Eyes: Wash continuously for 15 minutes. See a physician.		
Consult your copy of the Flinn Chemical Catalog/Reference Manual for even more information about laboratory chemicals		

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