

MATERIAL SAFETY DATA SHEET

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| CHEMICAL NAME & SYNONYMS MERCURIUS 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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