


<b>Standard Operating Procedure (SOP)</b>			
<b>Nicotine Hydrogen Tartrate (Ditrartrate)</b>			
<i>Approved by:</i>		<i>Effective Date:</i>	3/10/08
David A. Brown, Director, EH&S		<i>Revised Date:</i>	
		<i>Section:</i>	CHEM

**PURPOSE**

Establish standard laboratory use for Nicotine Hydrogen Tartrate (Ditrartrate).

**SCOPE**

Research use of Nicotine Hydrogen Tartrate (Ditrartrate) in a laboratory environment.

**HEALTH, SAFETY, ENVIRONMENTAL INFORMATION**

**Physical Hazards**

Chemical Stability: Stable.  
 Conditions to Avoid: Use in unventilated areas.  
 Incompatibilities with Other Materials: Strong oxidizing agents.  
 Hazardous Decomposition Products: Carbon oxides and nitrogen oxides.  
 Hazardous Polymerization: Will not occur.

**Health Hazards**

Eye: May cause eye irritation.  
 Skin: Contact may cause skin irritation. Absorption may be fatal. May cause cyanosis.  
 Ingestion: May be fatal if swallowed.  
 Inhalation: May be fatal if inhaled. Material may be irritating to mucosa membranes and upper respiratory tract.  
 Chronic: May cause fetal congenital malformation, central nervous system and reproductive disorders.

**Personal Protective Equipment (PPE)**

- **Eye Protection**
  - Safety glasses, goggles or face shields shall be worn during operations in which nicotine might contact the eyes (e.g., through vapors or splashes of solution).
  - Ordinary (street) prescription glasses do not provide adequate protection. Adequate safety glasses must meet the requirements of the Practice for Occupational Education Eye and Face Protection (ANSI Z87.1-1989) and must be equipped with side shields.
  - Contact lenses shall not be worn if the potential exists for nicotine exposure.
- **Hand Protection**
  - Nitrile gloves impervious to nicotine shall always be worn.
- **Lab Coats, etc.**
  - Lab coat, closed-toe shoes and long-sleeved clothing shall be worn when handling nicotine. Protective clothing shall be worn to prevent any possibility of skin contact with nicotine.
- **Safety Shower/Eye Wash**
  - Where the eyes or body of any person may be exposed to nicotine, suitable facilities for quick drench or flushing of the eyes and body shall be provided within the work area for immediate emergency use.
  - Bottle type eyewash stations are not acceptable.

### **Designated Area for Use and Containment Devices**

All nicotine work shall be conducted in a fume hood. The fume hood's sash must be in the position where a face velocity of 100 feet per minute is achieved.

### **Waste Disposal**

Do not dispose of nicotine products via drains or garbage. Containers of cadmium chloride must be disposed of according to WFUHS EH&S Hazardous Waste Program.

### **Decontamination of Equipment and Area**

Contact WFUHS EH&S at 716-1201 for decontamination information.

### **Spill and Accident Procedures**

In the event of a spill greater than 300cc, immediately vacate and secure the area. Contact WFUBMC Security at 716-9111.