**Standard Operating Procedure for Laboratories**

**4-DIMETHYLAMINO - AZOBENZENE**

|  |  |
| --- | --- |
| Department: | Click here to enter text. |
| Principal Investigator(s): | Click here to enter text. |
| Lab Manager/Coordinator: | Click here to enter text. |
| Location of Experiment:  (Building/Room Number) | Click here to enter text. |
| Lab Phone: | Click here to enter text. |
| Office Phone: | Click here to enter text. |
| Emergency Contact: (Name/Phone) | Click here to enter text. |

**Reviewed and Approved by**:

|  |  |  |
| --- | --- | --- |
| PI: (Typed Name) | Click here to enter text. | |
| PI: (Signature and Date) |  | Click here to enter a date. |
| Lab Manager: (if PI unavailable) |  | Click here to enter a date. |

**Hazardous Material Use and Management**

|  |  |
| --- | --- |
| Hazardous Material(s) Used: (wt./volume) | 4-Dimethylamino-azobenzene:  Maximum amount allowed without PI approval: |
| Hazardous Material Storage Location: | Store in a dry, cool and well-ventilated place.  Store away from strong oxidizers (like perchlorates, peroxides, permanganates, bromine and fluorine) and strong acids.  Designated Storage Area: |
| Experimental Procedure and Lab Technics to be Used: | Click here to enter text. |
| Hazard Identification: (i.e., physical/health hazards) | **CAS # 60-11-7**  **GHS Classification: Acutely toxic. Carcinogen.**   * Poison by ingestion and intraperitoneal routs. * Experimental teratogenic and reproductive effects. * Human mutation data reported. * When heated to decomposition it emits toxic fumes of nitrogen oxides.   OSHA: Carcinogen  NIOSH: Carcinogen  Review MSDS/SDS prior to working with chemical. |
| Engineering Controls: (chemical fume hood, biosafety cabinet, glove box) | Always handle in a certified chemical fume hood with adequate exhaust ventilation.  Safety shower and eye wash must be readily available |
| Protective Equipment: | Use chemical resistant gloves, nitrile gloves are sufficient  Wear safety glasses or gaggles, faceshield may be required.  Wear lab coat, long pants and closed-toe shoes.  Check with glove manufacturer for more info. |
| Waste Collection/Disposal Method: | Waste should be collected in tightly closed container, in secondary containment and in a designated location inside a fume hood. Affix and complete hazardous waste label. Contact REHS for waste pick up.  <https://halflife.rutgers.edu/forms/hazwaste.php> |
| Spill Management: | Avoid dust formation and breathing dust. Avoid breathing vapors or mist. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not let it enter drain. Cover spill with dry lime, sand or soda ash, and place in covered containers for disposal.  If a spill happened outside fume hood, on floor, on bench or outside the lab contact REHS for clean up or call 911. |
| First Aid: | Eyes: Flush eyes with warm water for 15 min.  Skin: Flush affected skin with plenty of water and mild soap. Consult a physician.  Inhalation: Remove to fresh air. If breathing is difficult give oxygen. Seek medical attention.  Ingestion: Rinse mouth with water. Consult a physician. |

**Training**

* Prior to conducting any work with 4-dimethylamino-azobenzene, designated personnel must be provided training specific to the hazard involved in working with the substance.
* The PI must provide his/her lab personnel with a copy of the SOP and a copy of the SDS provided with the manufacturer.
* The PI must ensure that his/her lab personnel have attended and are up to date on the appropriate laboratory safety training within the last year.

I have read and understood the content of this SOP and the SDS:

|  |  |  |
| --- | --- | --- |
| Lab Personnel  (Running the Experiment) | Date of Hands-on Training from Department | Signature of Lab Personnel |
| Click here to enter text. | Click here to enter text. |  |
| Click here to enter text. | Click here to enter text. |  |
| Click here to enter text. | Click here to enter text. |  |

**4-DIMETHYLAMINO – AZOBENZENE**

**Acutely toxic. Carcinogen.**

****

**FIRST AID**

**Eyes:** Flush eyes with warm water for 15 min.

**Skin**: Flush affected skin with plenty of water and mild soap. Consult a physician.

**Inhalation:** Remove to fresh air. If breathing is difficult give oxygen. Seek medical attention.

**Ingestion**: Rinse mouth with water. Consult a physician.

**DIAL 911 Call REHS for more information 848-445-2550**