**Standard Operating Procedure for Laboratories**

**Aniline or Aniline Dyes (phenylamine, aminobenzine)**

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| --- | --- |
| 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**

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| --- | --- |
| Hazardous Material(s) Used: (wt./volume) | ANILINE:Maximum amount allowed without PI approval: |
| Hazardous Material Storage Location: | Store in a dry well ventilated area. Opened containers must be carefully resealed. Protect from moisture and light. Avoid strong oxidizers, strong acids, toluene diisocyanate, alkalis, iron, iron salts and zinc.Designated Storage Area: |
| Experimental Procedure and Lab Techniques Used: |  |
| Hazard Identification: (i.e., physical/health hazards) | **CAS# 62-53-3****GHS Classification: Danger combustible, very toxic, skin sensitizer, irritant, mutagen, carcinogen, toxic to aquatic life.*** Toxic if inhaled, ingested, or absorbed through the skin.
* Causes respiratory tract, skin and eye irritation.
* Volatile and can ignite readily.

OSHA PEL: TWA 5ppm (19 mg/m3), skinACGIH TLV: TWA 2ppm (7,6mg/m3), skinReview MSDS/SDS prior to work with this chemical.   |
| Engineering Controls: (chemical fume hood, biosafety cabinet, glove box) | All work with Aniline must be performed in a glove box or in a chemical fume hood with adequate ventilation.Safety shower and eyewash must be easily accessible. |
| Protective Equipment: | Avoid contact with skin, eyes and clothing.Nitrile gloves are sufficient for short term use.Wear tight-fitting safety glasses/ goggles to protect eyes.Wear full length lab coat, long pants and closed-toe shoes.Wash hands before breaks and immediately after handling Aniline.Always check with glove manufacturer for more info. |
| Waste Collection/Disposal Method: | Collect waste in tightly closed containers, in secondary containment and in a designated location. Affix and complete hazardous waste label. Contact REHS for waste pick up:<https://halflife.rutgers.edu/forms/hazwaste.php> |
| Spill Management:  | If you have training you can assist in the clean-up. Use appropriate PPE and use inert material (vermiculate, send or earth). Double bag spill waste in clear plastic bag. 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**: Check and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, seek medical attention.**Skin**: Remove contaminated closing and shoes. Immediately flush skin with plenty of water. Cover irritated skin with emollient/ anti-bacterial cream. Seek medical attention.**Inhalation:** Remove person to fresh air, if breathing is difficult give oxygen. Seek immediate medical attention.**Ingestion:** Do not induce vomiting, call physician immediately. |

**Training**

* Prior to conducting any work with aniline, 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 |
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| Click here to enter text. | Click here to enter text. |  |

**ANILINE or ANILINE DYES**

**Danger, combustible, very toxic, skin sensitizer, irritant, mutagen, carcinogen, toxic to aquatic life.**

**  **

**FIRST AID**

**Eyes:** Immediately flush eyes with running water for at least 15 minutes, seek medical attention.

**Skin:** Remove contaminated closing and shoes. Immediately flush skin with plenty of water. Cover irritated skin with emollient/ anti-bacterial cream. Seek medical attention.

**Inhalation:** Remove person to fresh air, if breathing is difficult give oxygen. Seek immediate medical attention.

**Ingestion:** Do not induce vomiting, call physician immediately.

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