**Standard Operating Procedure for Laboratories**

**FORMAMIDE**

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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) | Formamide:  Maximum amount allowed without PI approval: |
| Hazardous Material Storage Location: | Store container tightly closed in a dry, cool and well ventilated place.  Store away from oxidizing agents, acids, alkalis, iodine, sulfur trioxide, brass, lead.  Designated Storage Area: |
| Experimental Procedure and Lab Techniques to be Used: | Click here to enter text. |
| Hazard Identification: (i.e., physical/health hazards) | **CAS # 75-12-7**  **GHS Classification: Carcinogen. Reproductive Toxin.**   * Poison by skin contact or injection. * Moderately toxic by ingestion. * An irritant to skin, eyes and mucous membranes. An eye irritant. Mutation data reported. May damage fertility or the unborn child. * Combustible when exposed to heat or flame. * Can react vigorously with oxidizing materials. * Incompatible with iodine, pyridine, sulfur trioxide. * When heated to decomposition it emits toxic fumes of nitrogen oxides. Hygroscopic. May explode if stored for a long time.   OSHA PEL: TWA 20ppm, STEL 30ppm  ACGIH TLV: TWA 10ppm, skin  NIOSH REL: TWA 10ppm, skin  Review MSDS/SDS prior to working with chemical. |
| Engineering Controls: (chemical fume hood, biosafety cabinet, glove box) | Work only in a chemical fume hood with adequate exhaust ventilation or ducted Biosafety cabinet. Ground all equipment containing material. Eyewash and safety shower must be readily available. |
| Protective Equipment: | Always handle with gloves, nitrile rubber gloves are sufficient.  Wear tightly fitting safety goggles. 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 one-quart container, in secondary containment and in a designated location inside a fume hood. Empty containers pose a fire risk, evaporate the residue under a fume hood. Affix and complete hazardous waste label. Contact REHS for waste pick up.  <https://halflife.rutgers.edu/forms/hazwaste.php> |
| Spill Management: | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Absorb the spill with inert material and finish cleaning by wiping contaminated surface with plenty of water. 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. Seek medical attention.  Skin: Flush affected skin with plenty of water and mild soap. Cover the contaminated skin with an antibacterial cream or emollient. Seek medical attention.  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 formamide, 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:

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| --- | --- | --- |
| Lab Personnel  (Running the Experiment) | Date of Hands-on Training from Department | Signature of Lab Personnel |
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**FORMAMIDE**

**Carcinogen. Reproductive Toxin.**

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**FIRST AID**

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

**Skin**: Flush affected skin with plenty of water and mild soap. Cover the contaminated skin with an antibacterial cream or emollient. Seek medical attention.

**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**