Introducing

This SOP applies to SODIUM AZIDE.

SODIUM AZIDE IS SHOCK SENSITIVE.

Potential Hazards

Health Hazards

PROPERTIES


Personal Protective Equipment

EYE PROTECTION

- Safety glasses, goggles or face shields shall be worn during operations in which SODIUM AZIDE 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.

HAND PROTECTION

- Use disposable nitrile gloves when working with chemicals. Check chemical compatibility chart for breakthrough time when using
- Laboratory personnel should thoroughly wash hands with soap and water before and immediately upon removal of gloves.
LAB COATS, ETC.
- Button lab coats, closed toed shoes, long pants and long sleeved clothing shall be worn when handling SODIUM AZIDE. Protective clothing shall be worn to prevent any possibility of skin contact with SODIUM AZIDE.

Work Practices
- Hydrazoic acid or aerosols may be produced, sodium azide (and sodium azide solutions) must be handled in a chemical fume hood.
- If weighing dry powders and the balance cannot be located in a fume hood or BSC, tare a container then add the powdered sodium azide to the container in a hood and seal the container before returning to the balance to weigh the powder. (Do not use a metal scoop to transfer sodium azide powder!)
- Change gloves regularly (at least every two hours) and wash hands at the time of the glove change.
- Do not use a HEPA vacuum for cleaning up sodium azide – sodium azide could react with metal inside the vacuum.
- Keep containers closed as much as possible.
- Once work with sodium azide is complete, wipe down the work area with a soap and water solution.

Special Handling Procedures and Storage Requirements
Standard Operating Procedure (SOP)

SODIUM AZIDE

Effective Date: 8/23/2013  
Revised Date: 10/10/2022

**Waste Disposal**

➢ Excess Sodium azide and all waste material containing Sodium azide must be placed in a glass container labeled with the following “HAZARDOUS WASTE Sodium azide”.
➢ Contact EHS at x3427 for hazardous waste removal.

**Emergency Numbers**

**Emergency Numbers:**

<table>
<thead>
<tr>
<th>Service</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire and Medical Emergencies</td>
<td>x5911 (911 on cell phone)</td>
</tr>
<tr>
<td>Environmental Health and Safety</td>
<td>x3427</td>
</tr>
<tr>
<td>FastMed Urgent Care (employees)</td>
<td>(336) 714-4616</td>
</tr>
<tr>
<td>Student Health (students only)</td>
<td>x5218</td>
</tr>
<tr>
<td>Poison Control</td>
<td>800-222-1222</td>
</tr>
</tbody>
</table>

**First Aid**

**INGESTION**

- IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY.
- For advice, contact a Poisons Information Centre or a doctor.
- Urgent hospital treatment is likely to be needed.
- In the meantime, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition.
- If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the SDS should be provided. Further action will be the responsibility of the medical specialist.
- If medical attention is not available on the worksite or surroundings send the patient to a hospital together with a copy of the SDS.

Where medical attention is not immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise:
- INDUCE vomiting with fingers down the back of the throat. ONLY IF CONSCIOUS. Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

**NOTE:** Wear a protective glove when inducing vomiting by mechanical means.

- Azide ingestions are potentially dangerous to health care providers. In the acid stomach, volatile and toxic hydrazoic acid is formed.
- Isolate vomitus, gastric washings, dispose of azide residues promptly and safely.
- Keep patient in well ventilated area.
SODIUM AZIDE

Effective Date: 8/23/2013  Revised Date: 10/10/2022

**EYE CONTACT**

If this product comes in contact with the eyes:
- Immediately hold eyelids apart and flush the eye continuously with running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Transport to hospital or doctor without delay.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**SKIN CONTACT**

If skin or hair contact occurs:
- Immediately flush body and clothes with large amounts of water, using safety shower if available.
- Quickly remove all contaminated clothing, including footwear.
- Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.
- Transport to hospital, or doctor.

**INHALATION**

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor, without delay.

**Spill and Accident Procedure**

**MINOR SPILLS**

- Clean up all spills immediately.
- Avoid contact with skin and eyes.
- Wear protective clothing, gloves, safety glasses and dust respirator.
- Use dry clean up procedures and avoid generating dust.
- Sweep up or
- Vacuum up (consider explosion-proof machines designed to be grounded during storage and use).
- Place in clean drum then flush area with water.