#1 CONTACT INFORMATION:

<table>
<thead>
<tr>
<th>Procedure Title</th>
<th>Handling of Sod. Hydride (Strong base)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procedure Author</td>
<td>Ahmed Qarah</td>
</tr>
<tr>
<td>Date of Creation/Revision</td>
<td>9/16/15</td>
</tr>
<tr>
<td>Name of Responsible Person</td>
<td>Douglas L. Klumpp</td>
</tr>
<tr>
<td>Location of Procedure</td>
<td>La T 333</td>
</tr>
<tr>
<td>Approval Signature</td>
<td></td>
</tr>
</tbody>
</table>

#2 THIS STANDARD OPERATING PROCEDURE (SOP) IS FOR A:

- [x] Specific laboratory procedure or experiment
- [ ] Generic laboratory procedure that covers several chemicals
- [ ] Generic use of specific chemical or class of chemicals with similar hazards

#3 PROCESS OR EXPERIMENT DESCRIPTION

NαH can ignite in air. Keep it in the glove box. The proper method to weigh, add under N2 or Ar environment. NαH reacts strongly with water because of hydrogen releasing.

Frequency:  
- [ ] one time  [ ] daily  [ ] weekly  [x] monthly  
- [ ] other: __________________

Duration per Expt:  
- _____ minutes; or _____ hours

- It depends.

#4 SAFETY LITERATURE REVIEW & HAZARD SUMMARY

For assistance with this form contact NIU Environmental Health and Safety, 815-753-0404.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Fume Hood/Glove Box or other</td>
<td>Location: 333</td>
</tr>
<tr>
<td>Ventilation Control</td>
<td></td>
</tr>
<tr>
<td>Eyewash/Safety Shower</td>
<td>Location:</td>
</tr>
</tbody>
</table>

3. Sodium hydride can ignite in air and it will react with water.

4. So be sure to weight it inside the glove box under inert gas atmosphere.


6. Clean up work area and lab equipment.

   Normal Procedure for Cleaning

7. Remove PPE and wash hands.

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**WASTE DISPOSAL**

Waste can be disposed in the organic waste.

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**TRAINING REQUIREMENTS**

General Training (check all that apply):
- [ ] General Safety & Emergency Preparedness

For assistance with this form contact NIU Environmental Health and Safety, 815-753-0404.
### Chemical Safety for Laboratories
- Radiation Safety
- Biosafety training
- Other: ___________________________

### Location Where Records Maintained:
- Lab 333

### Laboratory-specific training (check all that apply):
- ✔ Review of SDS for other chemicals involved in process/experiment
- □ Review of this SOP
- □ Other: ___________________________

### Location Where Records Maintained:
- Lab 333

### #9 PRIOR APPROVALS

Prior approvals are required by the following University Committees: