Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Maya Arengo

Title of Project Controlling the Pathways to the Synthesis of a New Lithium Manganate

To be completed by the Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist:
(All questions must be answered; additional page(s) may be attached.)

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval (see Potentially Hazardous Biological Agent rules).
   - Furnace
   - Li_2O
   - LiCl
2. Identify and assess the risks involved in this project.
   - Breathing in the gas from the Li_2O and LiCl
   - Being burned on your hand when reaching into the furnace (minor burn)
3. Describe the safety precautions and procedures that will be used to reduce the risks.
   - Keeping the Li_2O and LiCl in a 200°C furnace when not in use
   - Turn on the fume hood when using Li_2O and LiCl
   - Using tongs when removing something from the furnace
4. Describe the disposal procedures that will be used (when applicable).
   - Dispose of quartz glass in a separate container just for glass
5. List the source(s) of safety information.
   SDS sheets, instruction manuals, campus safety office

To be completed and signed by the Designated Supervisor (or Qualified Scientist, when applicable):
I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Summary and will provide direct supervision.

JACK SIMONSON — Designated Supervisor's Printed Name

Signature

6/30/19 — Date of Review (mm/dd/yy)

Assistant Professor of Physics — Position & Institution Farmingdale State College

631-420-2155 — Phone or email contact information

PhD Virginia, 2009 — Experience/Training as relates to the student's area of research