

# Hazard Awareness Summary for PSL 1520

Workspace Type: Laboratory  
Workspace Name: lab2 wet  
Date Created: 06-JUL-2000  
Last Modified By: Mikhail S. Alnajjar  
PSL 1520 Phone Number:  
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**Before unescorted access is allowed to this location, the Cognizant Space Manager (CSM) must have granted the user access. Additionally, the user is required to read and understand this Hazard Awareness Summary (HAS) and the Practice(s) associated with the summary. Additional useful reading Practices and related topics are available in the [Laboratory Handbook](#)**

## NOTES:

### Active Users: (interact with one or more hazards)

- Before accessing this workspace, the user is required to read the Annotations in the HAS and Permit(s) and Practice(s) associated with the hazard in this space. Click on the highlighted links throughout this document to open the required Permit(s) or Practice(s). Going through the required documents indicated in this (HAS) will complete your reading requirements to accessing this workspace. For formal training requirements, please contact your organizational training coordinator. Your reading and formal training records will be tracked electronically.
- Other documents, such as the Fact Sheets and the SBMS Standards, are provided as references (optional reading) to assist you in exploring different areas of interest.

### Passive Users: (no interaction with hazards)

- Before accessing this workspace, the user is required to read the annotations in this (HAS) and the PSL General Reading Requirements work practice document indicated below. Click on the highlighted link to open the Practice . Reading the Practice will complete your requirements to accessing this space. Your reading record will be tracked electronically.
- Other documents, such as the Fact Sheets and the SBMS Standards, are provided as references (optional reading) to assist you in exploring different areas of interest.

## **Annotations:**

THIS LAB CONTAINS OXIDIZERS, ACIDS AND BASES, PYROPHORIC, AND TOXIC MATERIALS. IT ALSO CONTAINS ODOROUS CHEMICALS (INCLUDING THIOLS) STORED IN FLAMMABLE CABINETS LOCATED NEAR THE SOUTH SIDE ENTERACE. PLEASE CONSULT WITH THE CSM OR ALTERNATE PRIOR TO PERFORMING TASKS IN THIS SPACE.

**Practices:**

[PSL General Reading Requirements](#)

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**Hazardous chemicals are present in this space. Controls for mitigating the hazards to an acceptable level of risk are described in the Chemical Process Permit(s) which may be viewed electronically using the Permit Authoring Tool icon. Also, the directions for accessing Material Safety Data Sheets that describe the hazards of each chemical are available on-line in appendix 04 of the [Laboratory Handbook](#)**

**Annotations:**

EXPERIMENTAL TASKS FOR THE PREPARATION AND PURIFICATION OF CHEMICALS ARE PERFORMED IN THIS LAB. PLEASE CONSULT WITH THE CSM OR ALTERNATE PRIOR TO ENTERING THIS SPACE.

**Fact Sheets:**

[Hazard Communication Information for PNNL Visitors](#)  
[Using Material Safety Data Sheets \(MSDSs\)](#)

**Chemical Process Permit:**

[PSL-1520-CPP-373 \(Revision: 1\) Organic, Inorganic, and Organometallic Synthesis and Separations.](#)

**Practices:**

[Chemical Acquisition](#)  
[Chemical Spills](#)  
[Chemical Storage](#)  
[Chemical Waste Disposal](#)  
[First Aid and Medical Assistance](#)  
[Project Close-out](#)  
[Transfer of Chemicals](#)  
[Use of Chemicals](#)  
[Use of Laboratory Hoods](#)  
[Working Alone](#)

**SBMS Standards:**

[Airborne Emissions](#)  
[Chemical Management System](#)  
[Flammable and Combustible Liquids](#)  
[Managing Liquid Effluents](#)  
[Managing Nonradioactive Chemical Waste](#)  
[PNL-MA-08, Waste Management and Environmental Compliance](#)  
[Packaging and Shipping Hazardous Materials \(Excluding Waste\)](#)  
[Personal Protective Clothing and Equipment](#)  
[Respiratory Protection](#)  
[Spill Response](#)  
[Working With Chemicals](#)

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**Cryogenic materials are stored or used within this space. Controls for mitigating the associated hazards to an acceptable level of risk are described in the cryogens Work Practice Document. Additional useful reading practices and related topics are available in the [Laboratory Handbook](#)**

**Annotations:**

LIQUID NITROGEN MAY BE PRESENT IN THIS WORK SPACE.

**Practices:**

First Aid and Medical Assistance

Project Close-out

Working with Cryogenics

**SBMS Standards:**

Personal Protective Clothing and Equipment

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**Compressed gases are present in this space. Controls for mitigating the associated hazards to an acceptable level of risk are described in the Compressed Gases Work Practice Document. Additional useful reading practices and related topics are available in the Laboratory Handbook**

**Annotations:**

PERIODICALLY, COMPRESSED GASES MAY BE USED IN THIS SPACE WHILE PERFORMING EXPERIMENTAL TASKS.

**Practices:**

Compressed Gases

First Aid and Medical Assistance

Project Close-out

**SBMS Standards:**

Compressed Gases

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**Toxic gases are present in this space. Controls for mitigating the hazards to an acceptable level of risk are described in the Compressed Gases Work Practice Document Which is available in the Laboratory Handbook**

**Annotations:**

TOXIC GASES MAY BE PRESENT IN THIS SPACE WHILE PERFORMING EXPERIMENTAL TASKS.

**Practices:**

First Aid and Medical Assistance

Project Close-out

**SBMS Standards:**

Compressed Gases

Personal Protective Clothing and Equipment

Respiratory Protection

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**Significant sources of non-ionizing radiation are present in this space (e. g. high**

**field magnets, high power UV lamps, or RF or microwave sources). Controls for mitigating the associated hazards to an acceptable level of risk are described in the Non-Ionizing Radiation (NIR) Safety Work Documentation. For more information, contact the Cognizant Space Manager (CSM)**

**Annotations:**

HIGH POWER UV LAMPS ARE USED IN THIS SPACE.

**Fact Sheets:**

Extremely Low Frequency Electric and Magnetic Fields

Static Magnetic Fields

Radiofrequency and Microwave Radiation

Optical Radiation

**Practices:**

First Aid and Medical Assistance

Project Close-out

**SBMS Standards:**

Controlling Nonionizing Radiation Hazards in the Workplace

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**At least one pressurized vessel or system is located in this space. Controls for mitigating this hazard to an acceptable level of risk are identified in the self-assessment questions for this hazard.**

**Annotations:**

AUTOCLAVES ARE USED IN THIS SPACE.

**Practices:**

First Aid and Medical Assistance

Project Close-out

**SBMS Standards:**

Pressure Systems

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**At least one exposed surface at extreme temperature is present in this space.**

**Annotations:**

HOT PLATES ARE PRESENT IN THIS SPACE.

**Practices:**

First Aid and Medical Assistance

Project Close-out

**If you have questions concerning this Laboratory, contact Mikhail S. Alnajjar, Cognizant Space Manager, 509/375-2321.**

[Continue](#)

 Integrated Operations System	 IOPS User Guide	 Laboratory Handbooks	 User Registration	 Access to EMSL Computing Resources	 Access to Workspaces	 Training Requirements	 HAS Active Users or Passive Users	 Permit Authoring Tool	 Help	 Feedback	 SBMS
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