**Laboratory Eye Hazard Risk Assessment Tool**

1. **Location Details**

|  |  |  |
| --- | --- | --- |
| *Department:* | *Building:* | *Room Number(s):* |

1. **Approval**

|  |  |  |
| --- | --- | --- |
| *Laboratory Supervisor Name:* | *Signature:* | *Date:* |

1. **Hazard Identification**
* Please complete check-list on rear of form. Form Completed? [ ] Yes
1. **Minimum Eye Protection Requirements**

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| --- |
| Taking into account any eye hazards identified, specify the minimum Eye Protection requirements for this laboratory: [ ] None [ ] Safety Glasses (Medium Impact) [ ] Other, specify: |

1. **Additional Eye Protection Requirements**

|  |  |  |
| --- | --- | --- |
| Are there any substances/equipment/procedures that require the use of forms of Eye Protection (or other protective measures such as protective screens) other than (or in addition to) those specified in section (4) above? *If yes, please specify details below* | [ ] NO | [ ] YES |
|  |  |
| Substance/equipment/procedure | Eye Protection/Other Controls Required(*or reference applicable SOP/risk assessment*) |
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**Eye Hazard Identification Check-list**

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| **Eye hazard** | **Examples** | **Present** |
|  |  | **No** | **Yes** |
| **Substances that may cause injury to the eyes** |  |  |
| Skin/Eye Corrosives (Class 8.2/8.3) | Hydrochloric acid, Sodium hydroxide, Phenol |[ ] [ ]
| Substances that heat dangerously or ignite in contact with air/water (Class 4.2, 4.3) | Tert-butyllithium, sodium metal |[ ] [ ]
| Cryogenic liquids  | Liquid nitrogen |[ ] [ ]
| Very hot liquids  | Molten metals, molten salt baths, hot oil |[ ] [ ]
| **Substances that may contaminate the body through the eyes** |  |  |
| Acute Toxicity (Class 6.1) | Phenol, Acetonitrile, Acrylamide |[ ] [ ]
| Eye Irritants (Class 6.4A) | Ethanol |[ ] [ ]
| Chronic Toxicity (Classes 6.5 – 6.9) | Acrylamide, formaldehyde |[ ] [ ]
| Radionuclides | 14C, 32P, 33P, 3H |[ ] [ ]
| Infectious organisms/substances | Human blood and body fluids |[ ] [ ]
| **Projectile hazards** |  |  |
| Glassware under vacuum/pressure | Glass vacuum traps, rotary evaporators,  |[ ] [ ]
| Other apparatus with explosion hazard | Hydrogenation apparatus, chemical reactions generating significant gas/heat |[ ] [ ]
| Compressed gases | Compressed gas cylinders, regulators, piping |[ ] [ ]
| Use of powered cutting/grinding/drilling equipment | Band-saws, drills, grinders |[ ] [ ]
| Potentially explosive substances (Class 1, 4.1.2A-C, 5.2A-C, 4.1.3A-B) | Picric acid (Trinitrophenol), Dinitrophenol  |[ ] [ ]
| **Eye hazardous radiation**  |  |  |
| Artificial UV sources | UV trans-illuminators, UV lamps |[ ] [ ]
| Lasers of Class 3B or higher (exposed beam) | Potential exposure to lasers of Class 3B or higher |[ ] [ ]
| Strong β radiation sources  | 32P |[ ] [ ]
| **Fire/radiant heat** |  |  |
| Risk of flash fire | Procedures with risk of igniting flammable vapours or gas |[ ] [ ]
| Exposure to intense radiant heat/infrared  | High temperature furnaces |[ ] [ ]
| **Other – please specify below:** |  |  |
|  |  |  |  |

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| **Notes/comments:** |