








# LSRA 7 – X-Chem

## User Lab Standard 7 : Working in X-Chem lab

*You may reference this lab standard instead of completing the information in the ERA. The scope of the work must match that of the standard and you are expected to follow the controls set out below.*

**Scope:** This lab standard risk assessment covers the routine work carried out in X-Chem. Activities outside of the scope of this LSRA must be fully assessed in the experimental risk assessment.

### Hazards

|  |  |  |
|--|--|--|
| <b>Substances</b>  |     |  |
| <b>Various hazards – exposure by inhalation, skin and eye contact and ingestion.</b> |  |  |
| <b>Cryogenics</b>  |    |  |
| <b>Oxygen Depletion and Extreme cold</b>   |  |  |
| <b>Pressure systems</b>  |    |  |

### Control Measures

|  |  |                            |  |  |
|--|--|----------------------------|--|--|
| General ventilation  | Suitable storage and labelling of samples, reagents and wastes | Eliminate ignition sources | General PPE requirements – safety glasses and disposable gloves            | Remove PPE and wash hands when leaving the lab |
| Your Diamond contact will train you in the lab standard and on equipment – you are expected to work to this training |  |                            | Oxygen monitoring alarms – for any alarm, leave the area and call the EHCs |  |

### Personal Protective Equipment

|   |   |   |
|---|---|---|
|  |  |  |
| <b>Safety glasses</b>   | <b>Disposable gloves</b>  | <b>Lab coat</b>   |

## Risk - Low