




LSRA 5 – Pellet Preparation

Lab Standard Risk Assessment 5: Pellet Preparation

If referencing this standard to cover your lab work, the scope of the work must match this standard and the below controls must be communicated and followed by all operatives. All lab work must be in accordance with chemical safety hand book.

Task Scope: Preparation of pellets by grinding and mixing inert binders (cellulose, boron nitride, KBr, polymer binders etc) with substances, then pressing the mixture into pellets.

Persons at Risk	Operatives	Lab Technicians	Others in lab and using the lab after the work is complete
Exposure Routes	Inhalation, Skin and eye contact, Ingestion		

Hazards			
	Toxic effects	Irritant or harmful	Long term irreversible health effects

Control Measures

Minimise quantities used	Use the most appropriate form (avoid airborne releases)	Experienced, skilled and knowledgeable operatives	Contain to minimise emissions, e.g. lidded containers	Labelled containers
Glove box or HEPA protected powder cabinet used for toxic or “genic” substances	Use well characterised materials only	Labelled waste containers	Maintain good housekeeping – clean down work areas after use	Remove and dispose of contaminated PPE

Personal Protective Equipment

		
Safety glasses	Disposable gloves	Lab coat

Emergency Arrangements

Small spills - Wipe with a wetted cloth and contain appropriately for disposal

Personal contamination – remove contaminated items and decontaminate as appropriate or dispose.

First Aid: contact EHCs (8787); eye contact – wash with eyewash; skin contact – wash with water

Risk - Medium