




LSRA 1 - Solvents

Lab Standard Risk Assessment 1: General Use of solvents

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: Small amounts of solvents used for cleaning glassware, optics and surfaces or similar activities not involving chemical reactions. Solvents include ethanol, acetone and IPA (or similar) <200 ml total usage.

Persons at Risk	Operatives	Lab Technicians	Others in lab
Exposure Routes	Inhalation	Skin contact	Eye contact

Hazards			
	Flammable	Irritant	May cause dizziness or drowsiness

Control Measures

Minimise quantities used	Flam cabinet storage	Venting solvent squeeze bottle	Minimise emissions, e.g. lidded containers	Experienced operatives
Fume cupboard used where possible - good general ventilation	Immediate disposal of solvent rags	Eliminate ignition sources	Labelled containers	Labelled waste container

Personal Protective Equipment

		
Safety glasses	Disposable gloves	Lab coat

Emergency Arrangements

Check the location of CO2 fire extinguisher before starting work

Spills: <500ml – ventilate area – wipe up with absorbent materials

>500ml - evacuate area – ventilate area – call EHCs (8787)

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

Risk - Low