### DANGEROUS GOODS

#### Class 2.1
- **Flammable Gas**
  - Only cylinders in use
  - Secure with chain or strap away from ignition sources
  - Vent exhaust lines to hood
  - AS/NZS 2243.10, AS 4352 and AS/NZS 3833
- **Handling, Transport and Disposal Method**
  - Use cylinder trolley to move cylinders
  - Disposal Method 1
- **Maximum Quantities**
  - Only cylinders in use: - connected to equipment or instruments; or - secured in external gas store and piped into the lab

#### Class 2.2
- **Non-Toxic Non-Flammable Gas**
  - Only cylinders in use
  - Secure with chain or strap
  - Vent exhaust lines to hood
  - AS/NZS 2243.10, AS 4352 and AS/NZS 3833
- **Handling, Transport and Disposal Method**
  - Use cylinder trolley to move cylinders
  - Disposal Method 1
  - Use cylinder trolley to move cylinders over 10 L
  - Carriers must be spill and break-proof
  - Domestic vacuum flasks are not be used
  - Disposal Method 1
- **Maximum Quantity**
  - 250 L cylinder
  - Greater if oxygen monitoring device is fixed

#### Class 3
- **Flammable Liquid**
  - Labelled standard lab cupboard, or small amounts throughout lab
  - Do not recharge unless drive is intrinsically safe (a sealed container)
  - Segregate from other classes in a spill tray in a cabinet or cupboard
  - AS/NZS 2243.10, AS 1940 and AS/NZS 3833
- **Handling, Transport and Disposal Method**
  - Place in a spill tray in a dedicated cabinet
  - Segregate from all other classes
  - Carriers for greater than 2.5 L
  - Disposal Method 2
- **Maximum Quantity**
  - 5 L container
  - 10 L per 50 m² of lab floor space

#### Class 4.1
- **Flammable Solid**
  - Keep away from moisture
  - Store as per supplier’s instructions
  - Segregate from other classes in a sealed container in a spill tray
  - AS/NZS 2243.10, AS/NZS 5026 and AS/NZS 3833
- **Handling, Transport and Disposal Method**
  - Use double-pack glass containers
  - Avoid contact with skin
  - Disposal Method 2
- **Maximum Quantity**
  - 10 L container
  - Monitoring must be conducted
  - Segregate from other materials by at least 1 m in a sealed container
  - AS 2243.4

#### Class 4.2
- **Spontaneously Combustible**
  - Will ignite in contact with air or water
  - Segregate from other classes in a sealed container in a spill tray
  - AS/NZS 2243.10, AS/NZS 5026 and AS/NZS 3833
- **Handling, Transport and Disposal Method**
  - Use double-pack glass containers
  - Avoid contact with skin
  - Disposal Method 2
- **Maximum Quantity**
  - 10 L container
  - Monitoring must be conducted
  - Segregate from all other classes by at least 1 m in a sealed container
  - AS/NZS 2243.10, AS/NZS 5026 and AS/NZS 3833

#### Class 4.3
- **Dangerous When Wet**
  - Store under oil or inert gas
  - Keep away from moisture
  - Segregate from other classes by at least 1 m in a sealed container
  - AS/NZS 2243.10, AS/NZS 5026 and AS/NZS 3833
- **Handling, Transport and Disposal Method**
  - Use double-pack glass containers
  - Avoid contact with skin
  - Disposal Method 2
- **Maximum Quantity**
  - 10 L container
  - Monitoring must be conducted
  - Segregate from all other classes by at least 1 m in a sealed container
  - AS/NZS 2243.10, AS/NZS 5026 and AS/NZS 3833

### Hazardous Substances

#### Harmful/Toxic
- **Disposal Method 1**
- **Corrosive**
- **Disposal Method 1**
- **Irritant/Sensitiser**
- **Disposal Method 1**
- **Mutagenic/Fetotoxic**
- **Disposal Method 4**

### Poisons, Drugs and Controlled Substances

#### Storage & Segregation
- **Disposal Method 1**
- **Poison Schedule 2 and 3**
- **Keep out of reach of children**

#### Handling, Transport and Disposal Method
- **Disposal Method 2**
- **No specific storage requirements**
- **Disposal Method 4**

### Disposal Methods

#### Chemical Storage and Handling for Minor Quantities

- **Mixture of Class 3 and 4.1 or 4.2**
- **Disposal Method 2**
- **Use University-preferred waste disposal contractor**
- **Disposal Method 4**

#### Contact your local Health and Safety Business Partner
- **safer@unimelb.edu.au**

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**Date: September 2017**  
**Version: 1.2**  
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**Best Review: September 2017**  
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