**Chemical Risk Assessment (Part 1)**

**Pre-Purchase Form**

The information gathered will help you to prepare before your chemical arrives and will be used when completing chemical risk assessments. This form should be completed prior to purchase. When re-ordering this chemical, simply **review** the document and update it (if necessary). This document should be readily available when the chemical is in use (in case of an emergency).

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| **Chemical Name** |  | | |
| **Concentration** (where relevant) |  | | |
| **Vendor** |  | | |
| **Product code** |  | | |
| **CAS Number(s)** (where relevant) |  | | |
| **Volume of container** (largest used) |  | | |
| **Hyperlink to the Safety Data Sheet** |  | **Reviewed** (date) |  |

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| **Hazard Information of Chemical Substance/ Product Used or Generated** | | | | | | | | | |
| **Hazard classification** | Image result for ghs symbols | GHS-pictogram-skull.svg | GHS-pictogram-exclam.svg | GHS-pictogram-acid.svg | Corrosive | GHS-pictogram-flamme.svg | GHS-pictogram-rondflam.svg | GHS-pictogram-pollu.svg | Compressed gas |
|  |  |  |  |  |  |  |  |  |
| **Signal word:**   Danger, Warning,  None. | | | | | | | | |
| **Hazard statements** | | | | | | | | | |
| H304 May be fatal if swallowed and enters the airways (A) | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Choose an item. | | | | | | | | | |
| Other: | | | | | | | | | |

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| Hazard Group for skin and/ or eyes (Select highest) | SA | SB | SC | SD | SE |
| Hazard group for inhalation  (Select highest) | A | B | C | D | E |

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| Is this chemical a category 1 carcinogen, category 1 mutagen or an asthmagen? | Yes  No | If yes, this chemical has the potential for serious health consequences. Considerable effort **must** be made to substitute this chemical for a safer alternative. | |
| Is there an additional hazard for a pregnant or new or breastfeeding parent? | Yes  No | H340, H341, H350, H351, H360, H361, H362, H370, H371, mercury and mercury derivatives, cytotoxic drugs, carbon monoxide, chemical agents of known and dangerous percutaneous absorption (EH40 - sk), lead and lead derivatives capable of being absorbed. | |
| Does this chemical have any WELs? (legal limits).  Refer Section 8 or EH40. | Yes  No | LTEL (8-hour TWA): | STEL (15 min TWA): |
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| **Emergency Procedures**  You must be prepared for foreseeable emergencies. Do not simply cut and paste from an SDS. Ensure you have trained personnel and appropriate equipment, PPE, and procedures to deal with these emergencies before the chemical is purchased: | |
| First aid (Section 4) |  |
| Skin contact/ absorption/ injection |  |
| Inhalation |  |
| Eye contact |  |
| Ingestion |  |
| Fire-fighting measures required (Section 5): | **In the event of a fire:** Activate the alarm, evacuate the building, and call 999. Then inform Security. |
| Fume cupboard fire suppression system  Carbon dioxide Water Powder Fire blanket Other: |
| Spill and environmental release response measures (Section 6): |  |
| Other emergencies: |  |

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| **Storage** (see Section 7, 10, 14.3 of SDS). | |
| Storage type: | Choose an item.  If other, specify: |
| Safe storage instructions: |  |
| Expiry (not a date) | 5 years (hazardous),  10 years (not classified),  Other (relevant safety advice): |

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| **Personal Protective Equipment (PPE)** – Complete if specific PPE is required (see Section 8 of SDS or PPE manufacturer’s guidance). Use standard PPE, unless detailed below - lab coat / safety glasses/ chemical resistant nitrile gloves. | |
| Eye/ Face |  |
| Hand |  |
| Body |  |
| Other |  |

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| **Properties of Chemical** (See Section 9 of SDS) | | | |
| Form of chemical  (as purchased) | 4 - Liquid (please record boiling point below) | | |
| Boiling point (°C) |  | | |
| Flash point (°C) |  | Auto-ignition temperature (°C) |  |

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| Any other relevant safety information: |  |

**Other environmental considerations**

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| **Waste** | |
| What is the waste disposal route for this chemical? | Refer to – [Waste Management Guidance Notes](https://staff.swansea.ac.uk/professional-services/estates-and-facilities-management/our-services/sustainability/waste/). Do not dispose to drain.  Chemical waste store.  Other, please specify: |

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| Is this an ozone depleting substance? | Yes  No | Refer to: TGN 001 – [Ozone depleting substances](https://staff.swansea.ac.uk/media/tgn001-ods.pdf). |
| Is this a fluorinated gas? | Yes  No | Refer to: TGN 003 – [Fluorinated gases](https://staff.swansea.ac.uk/media/tgn003-fgas.pdf) |