COSHH Assessment Form Chemistry

This form must be completed for any hazardous substance used on our premises, or provided by us for use during organised activities (e.g. exhibitions, work experience).

A copy of the current safety data sheet will be required to complete this form. These can be obtained from the supplier or manufacturer.

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| **Completed by:**  | Choose an item. | **Date:** | 31/8/23 |
| **Product Name:** | <Section 1 of MSDS> |
| **Manufacturer / Supplier:** | <Section 1 of MSDS>Make sure your MSDS is recent and applies to Europe! |
|  |
| **Substance details** |
| **Location of use:** | Meston [ ]  | Science Teaching Hub [ ]  | elsewhere [ ]  |
|  | Choose an item. | Choose an item. |  |
| **Persons at risk:** | Employees [ ]  | UG students [ ]  | Contractors/Visitors [ ]  |
| **Hazardous substance involved:**  | <Section 2 of MSDS> |
| **Classification** (select all applicable categories) |
| Acute toxicity (Symbol: skull and crossbones)  |[ ]  (very) toxic |  |[ ]  Sensitising |  |[ ]  Gas under pressure |
|  |[ ]  Harmful |  |[ ]  Flammable |  |[ ]  Danger to the Environment |
|  |[ ]  Corrosive |  |[ ]  Explosive |  |[ ]  Oxidising |
| **Hazard phrases:** |
| **Physical hazards (H200-290)**Choose an item.[to insert more entries, click on the box and then the blue plus symbol to the right]**Health hazards (H300-373)**Choose an item.[to insert more entries, click on the box and then the blue plus symbol to the right]**Environmental hazards (H400-441)**Choose an item.[to insert more entries, click on the box and then the blue plus symbol to the right]**Physical form:** (select applicable categories) |
| Gas/Vapour [ ]  Aerosol/Fume[ ]  [ ]  Powder/Dust [ ]  Other Solid [ ]  Liquid [ ]  |
| **Route of exposure**: (select all applicable categories) |
| Inhalation [ ]  Skin contact [ ]  Eye contact [ ]  Ingestion/swallowed [ ]  |
| **What is the substance used for:** | e.g. cleaning of surfaces, painting, adhesiveUsed as a laboratory reagent |
| **How is the substance** **used:** | e.g. diluted in water; sprayed directly onto product; applied using a brush. |
| **Frequency and duration of each use:**e.g. 5 minutes, once per day |  | **Amount used at each application:**e.g. 5 mL; 100 g |  |
| **Workplace Exposure Limits (WELs) – enter information from section 8 of the MSDS if listed there, otherwise leave blank:** |
| Long-term exposure level (8hrTWA, time weighted average): * **xxxxx:** xxxxx mg/m3
* <Section 8 of MSDS>
 | Short-term exposure level (STEL, 15 min):* **xxxxx:** xxxxx mg/m3
* <Section 8 of MSDS>
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| **Control measures** |
| Could a less hazardous substance be used to do the same job? (Contact supplier if unsure) | Yes [ ]  No [ ]  |
| What controls are required for this substance, other than Personal Protective Equipment (PPE)?(e.g. alternative form, use less, enclose the process, mechanical ventilation/extraction, restrict users, limit time)  |
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| **Precautionary statements / Safety phrases:** |
| **General precautionary statements (P101-P103)**Choose an item.[to insert more entries, click on the box and then the blue plus symbol to the right]**Prevention precautionary statements (P201-P285)**Choose an item.[to insert more entries, click on the box and then the blue plus symbol to the right]Is health surveillance or monitoring required? (If yes, state type) Yes [ ] No [ ]  |

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| **Personal protective equipment** (State type and standard required –don’t state **safety specs** and **lab coat** as always required) |
| symbol dust mask Dust mask |  | symbol visorVisor |  |
| symbol respiratorRespirator |  | symbol gogglesGoggles |  |
| symbol glovesGloves |  | symbol overallOveralls |  |
| symbol footwearFootwear |  | symbol otherOther |  |

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| **First Aid measures and response to accidents, spillages and other accidental releases** |

**First Aid Measures**

**Ingestion**

**Response precautionary statements (P301)**

Choose an item.

[to insert more entries, click on the box and then the blue plus symbol to the right]

Fill out drop-down list above first, then adjust the standard procedure below and delete this line

Standard department procedure for accidental ingestion is as follows:

When suspecting ingestion of poisonous chemicals, give large quantities of water as a mouthwash. Ensure that the mouthwash is not swallowed. If the chemical has been swallowed, do not induce vomiting. If the casualty is vomiting by herself/himself, give large quantities of water as a mouthwash, but do not make them drink water.\* Arrange for transport to hospital. Provide information to accompany the casualty on the chemical swallowed (MSDS!) with, if possible, an estimate of the quantity and concentration of the poison consumed.

\* Check the respective MSDS, as some chemicals may require administering very small sips of water in case of ingestion– but this should only be done if specifically called for in the MSDS.

**Skin contact**

**Response precautionary statements (P302, P303)**

Choose an item.

[to insert more entries, click on the box and then the blue plus symbol to the right]

Fill out drop-down list above first, then adjust the standard procedure below and delete this line

Standard department procedure for chemical burns (including suspected cases) is as follows:

Immediately apply cold or lukewarm running water for at least 10 minutes. Sources of water can either be a safety shower or a simple water tap equipped with a piece of rubber tubing. To prevent or at least reduce the risk of lasting damage, it is important that this treatment is initiated even before a first aider is called, or further medical attention be sought.

**Inhalation**

**Response precautionary statements (P304)**

Choose an item.

[to insert more entries, click on the box and then the blue plus symbol to the right]

Fill out drop-down list above first, then add any other relevant text here, deleting this line

**Eye contact**

**Response precautionary statements (P305)**

Choose an item.

[to insert more entries, click on the box and then the blue plus symbol to the right]

Fill out drop-down list above first, then adjust the standard procedure below and delete this line

Standard department procedure for chemical contamination of the eyes is as follows:

Immediately apply cold or lukewarm running water for at least 10 minutes. Use either safety showers or dedicated eyewash stations. In an extreme case, even a piece of flexible tubing fitted to a laboratory tap may be used. The casualty should always be taken to hospital.

**Other response precautionary statements**

**Response precautionary statements (P306-P391)**

Choose an item.

[to insert more entries, click on the box and then the blue plus symbol to the right]

Fill out drop-down list above first, then add any other relevant text here, deleting this line

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| **Storage** |

List requirements, including details of other substances that this substance must not come into contact with |
| **Storage precautionary statements (P401-P422)**Choose an item.[to insert more entries, click on the box and then the blue plus symbol to the right]Fill out drop-down list above first, then add any other relevant text here, deleting this line<Section 10 of MSDS>**Disposal of substances & contaminated containers** (select applicable category) |
| Hazardous Waste [ ]  General Waste [ ]  Return to Supplier [ ]  Other [ ] (If Other Please State): Disposal precautionary statements (P501-P502)Choose an item.[to insert more entries, click on the box and then the blue plus symbol to the right]Fill out drop-down list above first, then add any other relevant text here, deleting this line |
| **Emergency considerations:** |
| **Fire**:  | <Section 5 of MSDS> |
| **Spillage**:  | <Section 6 of MSDS> |
| **Risk rating following control measures** |
| **Use the HSE COSHH e-tool:**<https://www.hse.gov.uk/coshh/essentials/coshh-tool.htm>use “**none of the above**” on the first page, enter “**1**” under “number of chemicals”, enter the name of the chemical and select whether “solid” or “liquid”, then click on “**Hazard statement**”. Use the information you entered in this form (only H statements between 300-373 are asked for). This process takes less than a minute!Select the output:Group **A**: least hazardous [ ] Group **B**: somewhat less hazardous [ ] Group **C**: somewhat hazardous [ ] Group **D**: Most hazardous [ ] Group **E**: special cases [ ] Use the information form the HSE COSHH e-tool to select one of the following risk ratings:**High** (groups D or E) [ ]  **Medium** (group C) [ ]  **Low** (groups a or B) [ ]  Annual Review 3 year review 5 year review |
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Comments:

Check Annex: Exposure scenario, Used as laboratory reagent. Tick if listed:

[ ]  SU22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

[ ]  SU24: Professional uses: Scientific research and development