**DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING**

**BASIC COSHH FORM Control of Substances Hazardous to Health**



**Ensure you have a copy of the latest Manufacturers Safety Data Sheet (MSDS) for the substance, available from the supplier.**

**Completed copies should be emailed to** **eee-safety@ucl.ac.uk** **and a printed copy kept locally in Red Safety Folder.**

|  |
| --- |
| **Substance Details and Classification** |
| **Name of Chemical/Product:** | **Acetone** |
| **Manufacturer/Supplier:**  | **Merck Sigma Aldrich or others** |
| **Location of Use:** | **10th Floor 1014 and Cleanroom** |
| **Used for:** | **General Laboratory Chemical Solution Preparation** |
| **How it is used;** | **Mixed with other chemicals or pure** |
| **Amount used per application** **e.g. 5ml, 50g** | **500mL** | **Frequency and duration of each use:****e.g. 10mins, 3 times a day** | **60 mins 2 times a week** |
| **Physical Form** | **Solid** | **Liquid** | **Gas** | **Vapour** | **Fume** | **Dust** | **Aerosol** |
|  |[ ] [x] [ ] [ ] [ ] [ ] [ ]
| **Persons at Risk** | **UG Students** | **PhD students** | **Staff** | **Contractors** | **Visitors** | **Vulnerable People** |
|  |[ ] [x] [ ] [ ] [ ] [ ]
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **A picture containing icon  Description automatically generated** |[ ]  **Toxic** |  |[ ]  **Sensitising** |  |[ ]  **Gas under pressure** |
|  |[x]  **Harmful** |  |[x]  **Flammable** |  |[x]  **Dangerous to the Environment** |
|  |[ ]  **Corrosive** |  |[ ]  **Explosive** |  |[ ]  **Oxidising** |

 |
| **Hazard Phrases:****H phrases i.e. H319 Causes serious eye irritation****(previously known as R phrases)** | **H225****Highly flammable liquid and vapor.****H319****Causes serious eye irritation.****H336****May cause drowsiness or dizziness.** |
| **Precautionary/Safety Phrases:****P phrases i.e. P210 Keep away from heat/sparks/open flames/hot surfaces, No smoking** | **P210****Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.****P233****Keep container tightly closed.****P240****Ground and bond container and receiving equipment.****P241****Use explosion-proof electrical/ ventilating/ lighting/ equipment.****P242****Use non-sparking tools.****P305 + P351 + P338****IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.** |
| **Work place exposure limits if known (WELS):****Usually a long term and short term exposure limits in mg/m3** | **500 ppm****1,210 mg/m3****Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values** |
| **Control measures** |
| **Could a less hazardous substance be used for the same outcome?**  | **Yes** [ ]  | **No** [x]  |
| **PPE****Details type and standard required** |
| **Goggles** |[x]  **EN 166 EU Standard Protective Goggles** | **Labcoat/Overalls** |[x]  **Labcoat or Cleanroom Suits**  |
| **Gloves** |[x]  **Nitrile Ruber**  | **Dustmask** |[x]  **Regular Dust mask****Full-half-quarter face masks** |
| **Footwear** |[ ]  Click or tap here to enter text. | **Respirator** |[ ]  Click or tap here to enter text. |
| **Repirator** |[ ]  Click or tap here to enter text. | **Other** |[ ]  Click or tap here to enter text. |
| **What other controls are required for this substance?** **e.g. ventilation? Extraction? Restict users? Limit time?**  | Click or tap here to enter text. |
| **Is health surveillance monitioring required?**  | **Yes** [ ]  | **No** [x]  |
|  |  |
| **Routes of Exposure:** | **Inhalation** | **Skin Contact** | **Eye Contact** | **Ingestion** |
|  |[x] [x] [x] [x]
| **First Aid Measures** |
| **Inhalation** | **Fresh air – If breathing is affected, call a physician or call a poison center.**  |
| **Skin Contact** | **Wash off immediately with plenty of water for at least 15 minutes. Then apply skin protection gell.** |
| **Eye Contact** | **Rinse out with plenty of water. Remove contact lenses.Call a physician.**  |
| **Ingestion** | **Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth thoroughly with water. If it's acidic, give 2 glasses of water.**  |
| **Storage Conditions:** | **Dry, well-ventilated places at room temperature. If the substance is tightly closed, it can be stored with other substances. It CANNOT be stored with combustible materials.**  |
| **Fire Safety** | **No limitation about extinguishing media.** |
| **Disposal Considerations** | **Hazardous Waste** | **General Waste** | **Effluent Sinks** | **Other** |
|  |[x] [ ] [ ]  **Chlorinated Solution Waste Bottle** |
| **Name of Assessor:** | Click or tap here to enter text. | **Date of** **Assessment:** | Click or tap to enter a date. |
| **Name of Approver:**  | Click or tap here to enter text. | **Signature:** |  |
| **Date of Approval:** | Click or tap to enter a date. | **Date of Review:** | Click or tap to enter a date. |
| **Overall Hazard rating****Use matrix below to work out rating** | **Low** | **Medium** | **High** |
|  |[ ] [ ] [x]
|  | **Review every 5 years** | **Review every 3 years** | **Review every year** |

**Use the table to complete hazard rating.**

