University of Cyprus

Department of Chemistry

**LABORATORY RISK ASSESSMENT FORM**

**Laboratory**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Reaction:**

**Dangerous Substances** (Please circle the most dangerous one) **Particular Hazard?** Yes\_\_\_\_\_ No\_\_\_\_\_

In the following table please circle all characteristics of the **most** dangerous substance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Points** |  | **1** | **2** | **3** | **4** |
| (a) | Quantity | < 1 g | 1 -10 g | 10 – 100 g | > 100 g |
| (b) | Characteristics | Solids  Non-volatile liquids  Non skin absorbance | Powdered solids  Lyophilized solids, liquids  Boiling point > 70 °C  Low skin absorbance | Gases, liquids  Boiling point < 70 °C  Small solid particles  High Skin absorbance |
| (c) | Pressure | Normal | Low/Vacuum | > 1 Atm |
| (d) | Heating | No heating | 25 – 100 °C | > 100 °C |

|  |  |
| --- | --- |
| A | Carcinogen, teratogenic, mutagenic |
| B | Very toxic, toxic, explosive, pyrophoric |
| C | Harmful, irritating, corrosive, flammable, oxidant, new research compound |
| D | Non-classified laboratory chemical |

**Total points:** (a)\*(b)\*(c)\*(d) = \_\_\_\_\_\_\_\_\_\_\_

L (Low) < 10

M (Medium) 10-72

H (High) > 72

**Procedure in case of emergency:**

**Total Points:** Match your above points in the following table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | A | B | C | D |
| L | SP | SP | FH | FH |
| M | SP | FH | FH | LB |
| H | FH | FH | LB | LB |

SP = Special Procedure

FH = Fume Hood

LB = Laboratory Bench

**Safety Precautions:**

* Gloves (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) **Storage & Waste Handling**
* Safety glasses
* Lab coat
* Safety shield
* Inert atmosphere
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Signature**