

## **Safety Observer template – Nano safety (updated 06-01-2020)**

### **1. Physical conditions for working with nano**

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One registration per object or area

Signage, hazard labelling and classification

1.1. Area correctly marked/signage

1.2. Nanomaterials - storage, labelling and classification

1.3. Chemicals and other substances - storage, labelling and classification

1.4. Hazard labelling of waste

1.5. Relevant signage of escape routes

1.6. Relevant signage of first aid equipment

### **2. Order and tidiness**

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One registration per object or area (max. 50m<sup>2</sup>), e.g. work areas, access ways, containers, etc.

Hazardous waste is handled and disposed of properly

2.1. Workspaces

2.2. Access routes

2.3. Escape routes

2.4. Disposal areas

### **3. Preventing nano exposure**

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One registration per person, where relevant

Prevention of nano particles being absorbed into the body through the airways, skin or mouth

Respiratory protection with P3 filter, air or fresh air supply

Clothing, e.g. dust-repellent full suit with hood

Hygiene (e.g. washbasin, alcohol-disinfectant; change/cleaning of work clothes before eating)

Make notes regarding personal protective equipment: are they present, sufficient, used and used properly

Make notes regarding type, degree and duration of exposure

3.1. Prevention of nano-uptake through the airway

3.2. Prevention of nano-uptake through the skin, eyes, ears

3.3. Prevention of nano-uptake by mouth

#### 4. Technical aids, machines, equipment and tools

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One registration per object (here each company/institute makes their own list of relevant equipment)

Evaluate whether they are present, adequate, maintained, functional, used and used properly

Labelled correctly

Air purification and extraction - filter change relevant

4.1. Technical aids

4.2. Fume hoods

4.3. Suction boxes

4.4. Ventilation

4.5. Centrifuges

4.6. Autoclaves

4.7. Ion sources

4.8. LAF benches

4.9. PC / Keyboard

#### 5. Welfare measures

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One registration per object or area, e.g. dressing facilities, toilet, bathing facilities, living / dining room, etc.

Orderly and clean conditions

Separate changing room for own clothes and work clothes

5.1. Changing room

5.2. Toilets

5.3. Bathing facilities

5.4. Living / dining rooms

#### 6. First aid

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One registration per necessary object

Relevant signage and supplies

6.1. Eye wash

6.2. First aid supplies