

Risk assessment

1. General information

Name of the project/work/installations	
Workers/authors (level of education) or group	
Other users	
Supervisor	
Room	
Building	

Date	
Version	

Duration of project/work	
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Description of work/ project	
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2. Chemical risk factors

- Used chemicals, reagents, gases, end products

Chemical/reagent/gas (and concentrations)	The danger characteristics/classification	CAS	Amount (ml/g)	MSDS

More in annex

Description:

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3. Waste

- Arising hazardous wastes and those disposal

Waste	Estimated amount	The danger characteristics/classification	CAS	UN	ADR	MSDS	Disposal

More in annex

Description:

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4. Biological risk factors

Biological factor	Activity class (I-IV)

More in annex

Description:

5. Physical risk factors

High electric voltage/current	
High/low temperature	
Pressure (high/vacuum)	
Cutting/puncture	

Noise	
Nano materials	
Vibration	

Radiation:

Non-ionizing	
Ionizing	

Description:

6. Personal protective equipment

Respirator	
Face protector	
Hearing protector	
Helmet	
Goggles	
Protective coat	
Closed shoes	

Protective gloves:

Cryo	
Chemicals	
Hot	
Mechanical	
Micro-organisms	
Cut & puncture resistant	

Description:

7. Safety equipment

Oxygen supply unit	
Gas detectors	
Fire extinguishers	
Fume hood	

Emergency shower	
Absorbent material	
Local exhaust	
Eye wash point	

First aid kit	
Inert gas fire extinguishing system	
Safety cabinet	
Protective gas	

Glove box	
Laminar flow hood	

Description:

8. What can happen?						
What can happen	Potential risk factor	Consequences	Probability	The level of risk	Actions to reduce the risk	Actions have been done

9. Matrix of the risk assessment and the total rating of the risk

More in annex

		Consequences						
		Maj	Mod	Min	Ins	E	Extreme	Erittäin suuri
Probability	A	E	E	H	M	H	High	Suuri
	B	E	H	M	M	M	Medium	Kohtalainen
	C	H	M	M	L	L	Low	Vähäinen
	D	M	M	L	N	N	Negligible	Merkityksetön

Probability:

A = It can be expected to happen often

B = It can be assumed to happen from time to time

C = It can be assumed to happen rarely

D = It may happen, but it probably will never happen

Consequences:

Major

Moderate

Minor

Insignificant

10. Signatures

Author of the risk assessment	Supervisor	Head of the department	Dean of the school

11. Annexes
