



UQ Health Monitoring Assessment Request Form – chemical and mineral dust (e.g., silica)

Purpose

This form is submitted via Workday using the Workday Health Monitoring process. Use this form to request health monitoring, via Workday, in relation to a UQ work process involving the use of a chemical, lead, nanomaterial, mineral dust. This form is submitted and initiated through the WorkDay Health Monitoring process.

Health monitoring may be required if there is significant risk to the worker's health after implementation of control measures and if there is a valid health monitoring method.

The UQ HSWD Health Team will assess the health monitoring requirements based on the information provided.

Procedure

The decision to conduct health monitoring is informed by risk assessment. This form is used to document relevant hazard, risk and control data.

This form should be completed by the supervisor of the UQ workers or HDR student, in consultation with the UQ workers or HDR student working with the chemical or dust, and if needed also in consultation with health, safety and wellness staff:

- for the initial request for health monitoring
- for any ongoing health monitoring
- when there is a change to exposure risk.

A separate form is completed for each worker and is specific to each individual type of chemical or dust hazard for which health monitoring is being considered. As the WorkDay health monitoring request process is specific to an individual worker, if there are multiple workers exposed to the same chemical or dust, a separate Workday health monitoring request and form must be completed for each worker. This form is submitted and initiated through the WorkDay Health Monitoring process.

The cost of health monitoring will be funded by the organisational unit. Therefore, finance details will need to be completed in table below.

Date RISQ raised:		Purchasing Business Unit:	
Finance Officer:		Email:	
Chartstring		Signature	



Section 1: Background information

Name of the worker for which this form is being completed: _____

Name of faculty/institute/school:	
Name of specific business unit:	
Name and contact details of supervisor/safety manager/relevant person requesting the health monitoring:	
Name of worker at risk of exposure to the hazard:	

What is the specific hazard for which health monitoring is being requested?	
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Is health monitoring already in place for the hazard?	☐ Yes ☐ No
If yes, what specific health monitoring is in place?	Write details here:
If yes, how regularly is health monitoring conducted?	☐ Annually ☐ Every two years ☐ Every five years ☐ Other – specify frequency:
If health monitoring is not already in place, what specific health monitoring is requested? (e.g., specific blood test, urinary metabolite test, lung function test etc)	Write details here:
Is the worker receiving other health monitoring not related to the chemical or dust hazard? If yes, what specific health monitoring is in place?	Write details here:



Section 2: Hazardous task identification

Name of task that relates to the health monitoring:		
Brief description of work task (e.g., <i>decanting/mixing chemicals five times a day, taking five minutes each time in a biohazard cabinet, wearing gloves and lab coat – the preparation is only used in the lab and kept in sealed containers</i>):		
Description of hazard in context of the work task (e.g., airborne dust is generated from....)		
Hazard	Mark those applicable	Name of chemical, lead, dry nanomaterial, mineral dust (e.g., silica)
Chemical (e.g., Pb, As)	☐	
Dry nanomaterial	☐	
Mineral dust (specify)	☐	

Section 3: Analysis/description of the hazard

A. Answer the following questions if the hazard is a **chemical, lead or dry nanomaterial**

Name of chemical, lead or dry nanomaterial	CAS Number	GHS Hazard Statement/s (from Safety Data Sheet (SDS))
Is the substance/chemical a restricted or prohibited carcinogens under Schedule 10 of the Workplace Health and Safety Regulation 2011 (WHSR 2011) ?	☐ Yes ☐ No	



If yes, does the restricted use of the substance appear in Schedule 10, Column 3 of the WHSR 2011 ?	☐ Yes ☐ No
If yes, have you obtained a written authorisation from Workplace Health and Safety Queensland for your use of the substance as required under section 380 of the WHSR 2011 ?	☐ Yes ☐ No ☐ Not applicable
Is the substance any of those listed in Schedule 14 of the WHSR 2011 ?	☐ Yes ☐ No
Does the substance have a Chemwatch hazard rating of 4 for toxicity, reactivity or chronic (see SDS)	☐ Yes ☐ No

B. Answer the following in relation to chemical, lead, dry nanomaterial, mineral dust (e.g., silica)

What types of hazards are associated with the chemical, lead, dry nanomaterial, mineral dust (e.g., silica) ? (refer to SDS or other references)	(mark relevant box/es) ☐ Irritant ☐ Carcinogenic ☐ Corrosive ☐ Mutagenic ☐ Sensitising agent ☐ Teratogenic ☒ Asphyxiant ☐ Cytotoxic ☐ Toxic ☐ Cryogenic
What is the site of action in the body of health effects (refer to SDS – Toxicological information or other references)	(mark relevant box/es) ☐ Skin ☐ Eyes ☐ Liver



	☐ Kidneys ☐ Lungs ☐ Blood ☐ Blood forming tissues ☐ Nervous system ☐ Cardiovascular system ☐ Gastrointestinal system ☐ Genitourinary system ☐ Reproductive system
What specific disease or health effect is associated with exposure to the chemical, lead, dry nanomaterial, mineral dust	State here including reference (e.g., SDS)

Section 4: Degree of potential exposure

The following section determines the amount, frequency, duration of use and potential exposure of the substance over a certain time period. A value estimating the potential exposure, from low to high, is then calculated <i>without consideration of any current exposure controls</i> .	
Estimated amount of chemical, or lead or dry nanomaterial used in an 8-hour period	(mark relevant box) ☐ 0-9 ml: 0-9g ☐ 10-49 ml: 10-49g ☐ 50-99 ml: 50-99g ☒ 100-999 ml: 100g-999g ☐ 1-4 litres: 1kg-4kg ☐ 5-10 litres: 5kg-10kg ☐ >10 litres:>10kg
What is the physical state of the chemical, or lead or dry nanomaterial during task use	(mark relevant box/es)



		☐ Powder ☐ Liquid ☐ Gas ☐ Vapour ☐ Mist ☐ Fume ☐ Airborne dust ☐ Fibre
What are the potential routes of exposure?		(mark relevant box/es) ☐ Inhalation ☐ Skin absorption ☐ Eye absorption/splash ☐ Injection ☐ Ingestion ☐ Other - please specify:
A. TIME PERIOD - How often do you work with the chemical, or lead or dry nanomaterial?	☒ Number of days per week = _____ ☐ Number of weeks per month = _____ ☐ number of months per year = _____	
B. Frequency and duration of exposure	Frequency what is the usual number of times the worker could be exposed to the biological organism/biotoxin , during an 8-hour period?	Duration How many minutes is the worker exposed each time
	☐ Once	
	☐ Twice	
	☐ Three times	



	☐ Four times	
	☐ Five times	
	☐ Six times	
	☐ Other	
Example for the above questions: If a worker is using lead in powder form, 3 times a day, 10 minutes each time, 5 days per week for 10 months of the year, then the above A and B question response would be: • Number of days per week = 5 • Number of weeks per month = 4 • Number of months per year = 10 • Number of times = 3 • 10 minutes each time		

Section 5: Current exposure controls

What exposure controls are currently in place or planned for implementation to minimize the risk of harm to health and safety? Document this using the Hierarchy of Controls.

HIERARCHY OF CONTROLS

- ELIMINATE: - remove the substance from the task/procedure entirely
- SUBSTITUTE: - replace a harmful substance with a less harmful one or minimize the quantities
- ISOLATE: - separate personnel from the process by distance or barriers
- ENGINEERING: - use machinery, equipment or processes to minimize exposure
- ADMINISTRATION: - use policies, procedures, instructions or signage
- PERSONAL PROTECTIVE EQUIPMENT: - provide and wear protective equipment/clothing

Note: Higher order controls are preferred. Relying only on administrative and PPE controls in absence of isolation and engineering controls increases the likelihood of exposure being inadequately controlled. PPE should be used as a backup for the higher order controls.

Control	Already implemented (mark box for yes)	Considered but not achievable (mark box for yes)	Planned to be implemented before task continues (mark box for yes)
Eliminate the hazard			
	☐	☐	☐
Substitute for less hazardous material			
	☐	☐	☐



Control	Already implemented (mark box for yes)	Considered but not achievable (mark box for yes)	Planned to be implemented before task continues (mark box for yes)
Isolate workers from the hazard			
Isolation of the process	☐	☐	☐
Enclosure of the process	☐	☐	☐
Closed / sealed containers	☐	☐	☐
Other	☐	☐	☐
Other	☐	☐	☐
Engineering			
Local extraction ventilation	☐	☐	☐
Fume cabinet	☐	☐	☐
Other	☐	☐	☐
Other	☐	☐	☐
Administration			
Written safe work/handling and disposal procedures	☐	☐	☐
Written emergency procedures	☐	☐	☐
Written post-exposure procedures	☐	☐	☐
Training of workers in these procedures	☐	☐	☐
Training and competency-based assessment in lab procedures of new starters	☐	☐	☐
Good housekeeping practices	☐	☐	☐
Correct labelling and storage of all substances	☐	☐	☐
Correct waste disposal of substances	☐	☐	☐



Control	Already implemented (mark box for yes)	Considered but not achievable (mark box for yes)	Planned to be implemented before task continues (mark box for yes)
Other	☐		
Personal Protective Equipment (PPE)			
Respirator (manufactured to 1716 or equivalent)	☐ Disposable ☐ Half-face ☐ Full-face ☐ Positive pressure ☐ Negative pressure	☐	☐ Disposable ☐ Half-face ☐ Full-face ☐ Positive pressure ☐ Negative pressure
Type of Filter cartridge	☐ Particulate P2 ☐ Particulate P3 ☐ Type A – organic vapours ☐ Type B AUS or B1 – acid gases ☐ Type B2 and B3 – acid gases and hydrogen cyanide (HCN) ☐ Type E – sulphur dioxide (SO ₂) ☐ Type G – agriculture chemicals ☐ Type K – Ammonia (NH ₃) ☐ Type AX - Low boiling point organic	☐	☐ Particulate P2 ☐ Particulate P3 ☐ Type A – organic Vapours ☐ Type B AUS or B1 – acid gases ☐ Type B2 and B3 – acid gases and hydrogen cyanide (HCN) ☐ Type E – sulphur dioxide (SO ₂) ☐ Type G – agriculture chemicals ☐ Type K – Ammonia (NH ₃) ☐ Type AX - Low boiling point organic compounds (below 65°C) ☐ Type NO - Oxides of nitrogen ☐ Type Hg – Mercury



Control	Already implemented (mark box for yes)	Considered but not achievable (mark box for yes)	Planned to be implemented before task continues (mark box for yes)
	compounds (below 65°C) ☐ Type NO - Oxides of nitrogen ☐ Type Hg – Mercury ☐ Type MB - Methyl bromide ☐ Other ☐ Combined - Specify:		☐ Type MB - Methyl bromide ☐ Other ☐ Combined - Specify:
Tight-fitting respirator fit-tested to the worker	☐ Yes ☐ No	☐	☐ Yes ☐ No
Eye protection e.g., goggles	Write detail here:	☐	Write detail here:
Lab coat	Type:	☐	Type:
Apron	Type:	☐	Type:
Overalls	Type:	☐	Type:
Gloves	Type:	☐	Type:
Other control/s not listed above			



Section 7: Implementation of improved controls to further minimise the risk

If the risk is significant or uncertain, detail here:

- What specific improvements in controls are planned:

- Time period for implementation of improved controls:

- What budget cycle are costs of planned improvement to occur:

Section 8: Contact person(s)

Name of person completing this form:		Date:	
Name of business unit health, safety and wellness person who reviewed this form:			
UQSafe Risk Assessment or Hazard record number associated with this work task			

This form is submitted using the WorkDay Health Monitoring process.