

Minutes- Meeting about chemical risk assessment 8 January 2024

<p>Astrid Kühle (AAK) introduced AU's guidelines for Chemical Risk assesment (KRV). The guidelines were made because of a new ministerial order (254 Bekendtgørelse om ændring af bekendtgørelse 1793 om arbejde med stoffer og materialer (kemiske agenser) (Ophævelse af kravet om arbejdspladsbrugsanvisninger m.m.).</p> <p>It is a legal requirement that KRVs be made for all workflows where work with hazardous substances and mixtures is performed. KRVs MUST be available to all employees.</p> <p>AAK introduced AU's homepage about KRV Kemisk risikovurdering (au.dk) with links to Faculty guidelines to KRV. Find Nat-Tech guidelines here: Laboratorie arbejde Kemisk Arbejdspladsvurderinger = kemisk risikovurdering (au.dk) (in Danish only)</p> <p>Important notes:</p> <ul style="list-style-type: none">• It's important to inform and train foreign colleagues.• It's okay to have KRV's in English only if all employees understand English.• Safety data sheets are available in English in Kiro – it is possible to have data sheets in both Danish and English in Kiro at the same time.• There is no formal requirement for KRV's, but they must be in writing, and they must be updated every three years.• KRV's can always be printed from Kiro. <p>AU has a chemicals network that you can always contact if you need help or are in doubt about how to handle a chemical: AU Kemikalienetværk</p> <p>AU has drawn up the attached guidelines for the preparation of a KRV. The guideline can be found in Kiro. An English version is in progress.</p> <p>Other:</p> <p>It was mentioned that there is a max. for how many characters can be entered in Kiro in the fields under "Risks and preventive measures in the work process". AAK will contact the programmer and ask if the field can be extended with more characters.</p> <p>It was asked how KRVs are translated into English. Kiro does not automatically translate the text in the completed fields. If the language is changed, only the headings of the individual fields are automatically translated. This means that all text must be translated by the author, if you want to have the text in both Danish and English.</p>	
<p>Hans Henrik Gad (HHG) has created several KRV's and gave input on how to create KRV's:</p>	

- KRV must only be created for procedures where hazardous substances are used.
- If a mixture has such a small concentration of the hazardous substance that it is not considered hazardous anymore, you do not need to make a KRV.
- If you add a hazardous substance to a mixture and the resulting concentration of the hazardous substance within the mixture is so low that it is not considered hazardous anymore, you only need to make a KRV for the procedure where you add the hazardous substance and not the following procedures. For example, you need to make a KRV for when you add ampicillin from a stock solution to a flask with LB medium, but you do not have to make a KRV for the following steps where you use the LB medium with ampicillin to grow bacteria.
- There must be a description of the procedure, a title not enough. If you use a commercial kit, you can upload the manufacturer's manual. Otherwise, upload your laboratory protocols.
- Keep it simple and don't make it more complex than needed.
- Create a general section with standard information, emergency numbers, etc.
- Copy each other's KRV's, when possible, but remember to be critical and make necessary changes.

HHG will send links to KRV's in Kiros for inspiration. HHG has informed that his KRV's can be found in Kiros group IMSBBIOK6. It is possible to copy the protocols with the + button on the right side.

How to find KRV's in Kiros:

After logging in to Kiros, use the dropdown menu under your group and select "Chemical risk assessment" in the English version or "Kemisk risikovurdering" in the Danish version to see the Chemical risk assessments (KRVs) of your group. If you want to see KRV's from other groups you can click on the yellow bar at the bottom named "Chemical Risk Assessment List from other groups" and they will appear below. It is possible to copy chemical risk assessments from other groups with the + button on the right side of the KRV.

Other:

Check the list of KRV's in Kiros to see if it is possible to use one of the present KRV's. Unfortunately, Kiros has no search function for KRV's.

Sometimes you might find substances in your procedures that are not in Kiros and where you are not sure if it should be considered hazardous or not. Please add it to Kiros so that AAK can assess it.

A question was raised about whether KRV's must be stored in Kiros when they already are stored in Labbook. This is not necessary, but it is important that the whole group has access to them. Also, if the KRV's are stored in Labbook, it is not possible for other groups to see them and copy them. Preferably all KRV's should be stored in Kiros.

It was mentioned that it could be nice to have the KRV's in Labbook also, because many persons don't use Kiros.

Safety instruction: Introduction to Kiros should be included in the safety introduction.

It was suggested to have some of the not useful assessments deleted.

It is possible to copy KRV's from other faculties, but please be critical and make necessary changes.

It was asked if KRV's also must be made when working with radioactivity / isotopes. KRV's for these processes must be made.

It was asked if Kiros administrators will check the uploaded KRV's. Niels will visit all labs in a couple of months to check the KRV's as a part of the safety inspection of laboratories.

It was agreed to start with the most dangerous and/or used protocols. All groups must create 5 KRV's for protocols in their own group. Afterwards groups can copy each other's KRV's.