CMR compounds: Investigation form and risk assessment

1. Background and aim

The Swedish legislation requires updated documentation when working with carcinogenic, mutagenic and/or toxic for reproduction (CMR) substances. Compounds classified with hazard statements H350 (may cause cancer), H340 (may cause genetic defects), H360 (may cause harm to fertility or to the unborn child). CMR compounds can be handled after a documented investigation, showing that it is technically impossible to replace the product with a less harmful alternative. After the investigation, a risk assessment is required to identify potential work risk and how to prevent them.

Documentation related to CMR substances have to be review periodically or whenever any significant changes to method/working process is introduced or in case of injury or incidents.

The aim of this routine is to accomplish with the Swedish law, to minimize work related risks, and to have a systematically updated documentation related to CMR substances that is easy to find.

2. Routine

Before using or buying a chemical compound always read the safety data sheet. If the compound is classified as CMR (H350, H340, H360), special safety procedures are required and an investigation form and a risk assessment have to be done prior handling of the chemical. Handling of CMR occurs in agreement with the information in those documents as well as the work instruction given by your group leader. Information about investigation form and risk assessment below.

- **Investigation form:** Check if a form has already been performed at the department. If that is not the case or the investigation need to be updated, please fill in the investigation form template, scan it and place it at: P:\CMR compounds\Investigation forms scanned.

  Folder with MBW investigation forms is located at: P:\CMR compounds\Investigation forms scanned.

  Template for investigation form: P:\CMR compounds\CMR_investigation_form.doc

- **Risk assessments** are performed using KLARA. Log in at KLARA (www.su.se/KLARA) and check if a risk assessment for the substance is already in the system so you can adapt it to your method and conditions in the lab. If no risk assessment for your CMR is available, do your own using KLARA, and name it stating the chemical and your group name.

Other practical information:

- ***How to find the list of ALL CMR compounds registered at your group?***
  KLARA/Chemicals/Search Product/ Search products in (my group)/Only include products listed as (CMR-substances)/SEARCH

- ***How to find a risk assessment at MBW and copy it?*** (Page 8 KLARA Risk assessment manual)

- KLARA/Chemicals/Risk assessment/ Risk assessment/ Inst. för molekylär biovetenskap, Wenner-Grens institut/ CMR substances
- Open the risk assessment you want to copy/ Click Copy/ Valid only for department: select your group/Save
- Read the risk assessment and adjust it to your work in the lab.

3. Related information

Legislation for CMR compounds, AFS 2011:19
KLARA risk assessment Manual
KLARA-How to find a chemical product at SU and MBW (Guideline here)
KLARA-How to find the list of products located at your lab (Guideline here)
KLARA_How to find a list of products with special properties, e.g. CMR products (Guideline here)

4. Contact persons

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