Product substitution investigation

In accordance with the Environmental Code’s substitution principle ([SFS 1998:808](https://www.riksdagen.se/sv/dokument-lagar/dokument/svensk-forfattningssamling/miljobalk-1998808_sfs-1998-808), Chapter 2, Section 4) chemical products that are hazardous to health and the environment are to be substituted, by substances that are less hazardous, through active product selection and substitution. In accordance with the law, there is to be a phase out of products that consist of or contain:

* CMR substances (Carcinogenic, Mutagenic or toxic to reproduction)
* Halogenated solvents, which are PBT or vPvB substances (persistent, bioaccumulative and toxic or very persistent and very bioaccumulative)
* Particularly hazardous metals such as *e.g.* Cd, Hg and Pb.

In accordance with the Swedish Work Environment Authority’s provision “Chemical hazards in the Working Environment” (AFS 2014:43 Section 39) CMR substances (Carcinogenic, Mutagenic or toxic to reproduction) are only to be handled after a documented investigation has been carried out that shows that it is technically impossible to replace the product with a less hazardous alternative.

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| 1. **Workplace** | |
| Department: | Section/unit/group: |
| Investigator: | Title/profession: |
| Telephone number: | Email: |

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| 1. **Chemical product under investigation** |
| Product name: |
| Substance category  CMR  PBT  vPvB  Particularly hazardous metals  Other: |
| Application area: |
| Type of product (*e.g. solvent, pigment)*: |
| Constituent substance that requires substitution: |
| CAS Number: |
| Percentage of content: |
| 1. **The product’s labelling and classification** |
| Material safety data sheet enclosed. |
| The product’s classification according to the material safety data sheet: |
| The product’s labelling according to the material safety data sheet:  H 330 Deadly if inhaled  H 350 May cause cancer  H 340 May cause genetic defects  H 360 May cause harm to fertility or the unborn child  H 372 Causes damage to organs through prolonged or repeated exposure  H 373 May cause damage to organs through prolonged or repeated exposure  H 410 Very toxic to aquatic life with long-lasting effects  Other labelling (*state indicated hazard*): |

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| 1. **Handling** | |
| Short description of product handling: | |
| Amount consumed per handling: | Estimated annual consumption: |
| Risk for exposure via:  Inhalation: Risk description:  Ingestion: Risk description:  Contact with skin: Risk description:  Contact with eye: Risk description:  Contact with mucous membranes: Risk description:  Other: Risk description: | |

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| 1. **Search for an alternative product** |
| Alternatives have been sought via:  Contacts with suppliers in the industry.  Comment:  Contacts with colleagues in your own organisation and other organisations.  Comment:  Checking the NSG substitute list (www.vgregion.se/halsan/kemi/nsg)  Comment:  Searching SubsPort’s databases (www.subsport.eu)  Comment:  The Swedish Chemical Agency’s website (http://www.kemi.se/)  Comment:  Searching via Google. (Searching, for example, using the following words: substitution, replacement, phase out, hazardous chemicals, hazardous chemicals in combination with the chemical name in question)  Comment:  Searching on other websites.  Comments: |

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| 1. **Results of the search and assessment of alternatives** |
| An alternative that can replace the existing product has been found:  Yes, state the product information below  Substitute product (CAS Number):  Indicated hazards/risk phrases for the substitute product according to the material safety data sheet:  Date on which the product will be replaced: |
| No, an alternative has not been found  Comment/explanation:  Date for a repeat investigation: |

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| 1. **Decision** |
| Existing product:  Will be replaced.  Will not be replaced.  Explanation: |

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| 1. **Signature of responsible manager** | |
| Name: | Date/Signature: |