

Princetonlaan 6
3584 CB Utrecht
P.O. Box 80015
3508 TA Utrecht
The Netherlands

www.tno.nl

T +31 88 866 42 56
F +31 88 866 44 75

TNO Report

TNO2023 R10499

**General report on Roadmap on Carcinogen
Challenge 4.3: Safe Working Procedures**

Date	30 March 2023
Author(s)	M.Y. Meima W. Fransman
Approved by	C. de Jong-Rubingh
Number of pages	42 (incl. appendices)
Number of appendices	2
Project name	Roadmap on Carcinogens Ch4.3
Project number	060.55689

All rights reserved.

No part of this publication may be reproduced and/or published by print, photoprint, microfilm or any other means without the previous written consent of TNO.

In case this report was drafted on instructions, the rights and obligations of contracting parties are subject to either the General Terms and Conditions for commissions to TNO, or the relevant agreement concluded between the contracting parties. Submitting the report for inspection to parties who have a direct interest is permitted.

© 2023 TNO

Contents

1	Introduction	3
2	Safe working procedures and good practices	4
2.1	Definition	4
2.2	Current status of SWPs in Europe.....	4
3	Workshop summary	9
3.1	Introduction	9
3.2	Results	9
4	Summary of results and future work	15
4.1	Main results	15
4.2	How to proceed with SWPs as an accepted alternative to comply and to reduce exposure to carcinogens?	16
5	References	17
6	Signature	18
7	Appendix	19
7.1	Safe working procedures / Good practices in The Netherlands.....	19
7.2	Safe working procedures / Good practices in Germany.....	38

1 Introduction

Currently, while a wide variety of businesses are taking measures to prevent exposure to dangerous substances, only a minority of businesses in the Netherlands can prove that these measures are sufficient to prevent exposure to dangerous substances to levels below the occupational exposure limit value (OEL) (Terwoert, 2017). This is due to unawareness of the risks, lack of expertise and ignorance about where to find relevant information.

Instead of performing measurements and comparing them with limit values for each substance and each activity, it would be beneficial if validated procedures become accepted alternatives for groups of businesses performing the same activity with the same or similar substance(s). A joint sector approach would relieve the burden for each individual company in the sector for measuring the exposure of all substances in each activity. Safe working procedures (SWPs) would help all businesses in a sector to safely work with dangerous substances in a time-effective manner.

The Roadmap on Carcinogens aims to create awareness on occupational exposure to carcinogens, and ultimately provide innovative approaches to reduce exposure. One of the challenges of this roadmap (Challenge 4.3) is to gather results, bring together stakeholders and promote the development of SWPs.

The current report aims to summarize the status of application of SWPs in Europe. Also, hindrances that hamper the regulatory acceptance of SWPs are discussed and other challenges that impede general implementation of SWPs.

2 Safe working procedures and good practices

2.1 Definition

A safe working procedure (SWP) is an accurately defined activity by which, under precisely defined circumstances for a specific (group of) compound(s), is defined that the exposure does not lead to health issues (Terwoert, 2017), i.e. the exposure is sufficiently well below the health limit value. An SWP should not be confused with a good practice (GP), which is a description of a way to perform a task, but is not validated with exposure measurements and usually described in less detail compared to an SWP. So although a good practice usually provides a way to reduce the exposure, it lacks the validation to prove that it does indeed provide a healthy workplace, i.e. that the exposure is sufficiently well below the health limit value.

An SWP should be defined in detail and be valid for one industry, one process, task, population and/or one substance group. SWPs can be evaluated by practical information (measurements in real situations) and compared with measured exposure for the given work situation to the limit value for the specific substance. A working procedure is considered an SWP when: 1) there are more than 20 measurements available and 90% of these measurements are below the limit value, 2) there is sufficient contextual information available to describe an SWP, 3) measurements are performed under reasonable worst-case conditions (TNO report, 2009).

The measurements that are needed to validate the SWP should meet the following criteria: 1) The measurements need data on a full description of the SWP and necessary contextual information and the application domain of the SWP, 2) the results of reasonable worst-case exposure measurements need to be available (sufficient measurements need to be available, information on the homogeneity of the exposed group and 8-hour time-weighted averages are needed), 3) the exposure concentrations need to be compared to available reference values on group level, 4) a periodical reassessment needs to take place. A detailed description and scientific substantiation for the validation of measurements is available within TNO (TNO memo).

2.2 Current status of SWPs in Europe

One of the goals of Challenge 4.3 was to gain insight into the status of implementation of SWPs and GPs in Europe. Information on SWPs and GPs in the Netherlands were collected by a short literature search and describing previous work from TNO. To do so, two meetings were held with French and German partners; the results of these meetings are presented below. Also, a workshop was held together with Challenge 3.1 to provide insight in SWPs in other countries in Europe. The results of this workshop are presented in Chapter 4.

2.2.1 *The Netherlands*

Substantial knowledge on SWPs is available at TNO: guidelines for validation are described in detail in reports and memos, and a knowledge center exists at TNO (Expertise group RAPID). TNO gathered a list of SWPs and GPs (see the Appendix). However, although the procedures are often described in detail, the majority of the

list describes GPs which are not validated according to the guidelines described in the TNO memo. In [Appendix 5.1](#), a list of 194 Dutch GPs is presented.

In the Netherlands, only a very limited number of SWPs are currently present: Lasrook verbetercheck (see [5xbeter | Gevaarlijke Stoffen | Hulpmiddelen](#)), and a platform that assesses SWPs for working with asbestos (VIP asbest).

Table 1 shows a subset of the data in the appendix, and presents the number of GPs per sector. The table makes clear that for multiple sectors GPs are present. However, none of the GPs is validated according to the criteria described above, which means that validated SWPs are lacking for the large majority of sectors and hence we cannot prove with exposure measurements that the described work practices lead to a demonstrable healthy work situation.

Table 1. Metadata on a subset of GPs.

Sectors	n of GPs per sector	Substance group
Construction	21	<ul style="list-style-type: none"> • Wood dust • Cements & glues • Epoxy (n=2) • Stripping agents • Dust/asbestos • Acids and lixivium • Glue, cement, dust • Asbestos (n=2) • Disinfected soil • Volatile compounds, isocyanates, thiram, 2-butanonoxim • Dust • Stripping agents, welding fumes • Quartz dust, wood dust, glue, PUR foam • Quartz dust (n=6) • Unknown
Laundry and textile industry	2	<ul style="list-style-type: none"> • Biological agents • Cytostatics
Bakery, flour industry	1	<ul style="list-style-type: none"> • Diesel engine emissions, enzymes, flour dust, solvents, pesticides
Fire brigade	1	Multiple
Graphic media	1	Multiple
Wood industry	1	<ul style="list-style-type: none"> • Asbestos, engine fumes, wood preservative, paintings/glue, legionella
Installation technique	1	<ul style="list-style-type: none"> • Diesel engine emission, solvents, pesticides
Barbers	1	<ul style="list-style-type: none"> • Allergens, diesel engine emission, solvents pesticides
Metal industry	1	<ul style="list-style-type: none"> • Diesel engine emissions, metal processing fluids, solvents, pesticides
Furniture industry	1	<ul style="list-style-type: none"> • Diesel engine emissions, solvents, pesticides
Paper and cardboard	1	<ul style="list-style-type: none"> • Solvents
Carpentry	1	<ul style="list-style-type: none"> • Diesel engine emission, wood dust, solvents, pesticides

Sectors	n of GPs per sector	Substance group
Paint and printing ink industry	1	<ul style="list-style-type: none"> Diesel engine emissions, solvents, pesticides

2.2.2 France

France is seeking consensus with social partners in order to consider a framework that can facilitate taking into account SWPs for the regulatory compliance of companies. Currently, the focus is on chemical risks, which is a major issue in small companies. An interprofessional agreement between the social partners of December 9, 2020 and an occupational health and safety law were adopted on August 2, 2021 to support the shared desire to effectively improve primary prevention and collective traceability of workers' exposures. The perspective would be a logic by business sector of support and provision of tools, with guidance documents for the application of chemical risk prevention. Regarding this, several initiatives have been launched which are similar to GPs, but may have vocation to become SWPs. The following GPs are present in France to date:

- For **asbestos**, an internet site "*règles de l'art amiante*" (Asbestos rules of the art) <https://www.reglesdelartamiante.fr/> was made available to companies bringing together practical sheets on professional gestures and handling recommendations guaranteeing the implementation of execution methods proven to be of low emission, while complying with regulations. The prescriptions are also based on several on field measurement campaigns supervised by prevention specialists from L'Organisme Professionnel de Prévention du Bâtiment et des Travaux Publics (OPPBTP) as a trusted third party expertise body, with 15 work processes whose measurement conditions have been checked and the results validated by groups of experts. <https://www.carto-amiante.fr/>
- Regarding **crystalline silica**, a similar approach as asbestos for collecting measurement campaigns is underway with the first report published in 2021 (see <https://www.preventionbtp.fr/ressources/documentation/ouvrage/rapport-de-la-campagne-preliminaire-carto-silice>). The results have supported new national good practice sheets and the European report "Reducing Respirable Crystalline Silica Dust Effectively" (coordinated by the European Federation of Building and Woodworkers (EFBWW) and European Construction Industry Federation (FIEC)), which is published in early 2022.
- A national measurement campaign by the Fédération Nationale des Travaux Publics (FNTP, French public works federation), according to the same supervision process by preventionists from the trusted third-party expertise body OPPBTP, was initiated in 2021 and continued in 2022. This campaign was carried out with OPPBTP technical support (<https://www.carto-silice.fr/>).

The initiatives from the **construction sectors** serve as large-scale experiments in order to define a framework that may be transposed to other sectors for data pooling and/or sharing of good practices. The objective is to reduce the burden of proof for individual companies in order to move towards sectoral recommendations recognized by public authorities, which can be checked rather with other parameters of verification and validity of protection systems than systematic new realisation of OEL measurements.

2.2.3 *Germany*

German partners mentioned two series of publications which provide practical specifications for defined activities involving hazardous substances. Both Recommendations of the German Social Accident Insurance Institutions for a chemical safety assessment (Empfehlungen Gefährdungsermittlung der Unfallversicherungsträger (EGU)) and Process- and substance-specific criteria (Verfahrens- und stoffspezifische Kriterien (VSK)) are descriptions of exposure scenarios, i.e. processes or activities with hazardous substances which generally correspond to the state of the art. EGU and VSK focus on practical advice on how to carry out risk assessment including descriptions of protective measures as well as information on the effectiveness of those protective measures. The time and effort required to carry out the assessment can considerably be reduced if the process or activity is transferred to the specific workplace. If the protective measures are adopted and the EGU says not explicitly otherwise, there is no need for further measurements as part of the risk assessment.

All EGUs and VSKs are founded on a valid measurement data basement. The measurements must fulfil certain criteria corresponding to the Technical Rule for Hazardous Substances (TRGS) 402 and ensure compliance with the occupational exposure limits (TRGS 900).

The scope of application of both EGU and VSK must be clearly stated. It must also be stated to which scope it does not apply. In intervals of five years EGU shall be reviewed according to updated guidelines or ordinances as well as new exposure measurement data. Proposals for EGU and VSK can be drawn up by e.g. manufacturers, companies, professional associations, the federal states or the accident insurance institutions.

The difference between EGU and VSK is the approval of the Federal Ministry of Labour and Social Affairs. A VSK converts the guideline into a legally secured VSK. Mostly, EGUs or other guidelines are upgraded into VSK (see Table B, Annex). All VSK are listed in the TRGS 420. Sector-specific recommendations are drawn up in the German OSH system by the occupational accident insurances. This principle also applies to EGU, which are enacted by the bodies of the insurance institutions.

2.2.3.1 *Current status in Germany*

At the website of the Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA), a list of all valid EGU is available and kept up to date. Guidelines to establish an EGU, e.g. requirements to measurements or number of measurements, are framed by the TRGS 402 and TRGS 420. EGU are written in German language. Table 2 shows a subset of EGU and VSK which deal with CMR substances. It shows that EGU and VSK exist for different sectors and diversity of activities involving CMR substances.

Table 2. Metadata on a subset of EGU and VSK.

Sectors	Number of EGU / VSK per sector	Substance group
Construction and ancillary construction trades	3	<ul style="list-style-type: none"> • Trichloroethylene • Asbestos • Quartz dust
Manufacture of chemicals, pharmaceuticals, rubber and plastic products	2	<ul style="list-style-type: none"> • Solvents
Manufacture of computer, electronic and optical products; manufacture of electrical equipment	4	<ul style="list-style-type: none"> • Solvents • Isocyanates
Metal production, metal working and metal processing	3	<ul style="list-style-type: none"> • Chrome • Nickel • Solvents
Repair shops, repair and installation of machinery and equipment	2	<ul style="list-style-type: none"> • Diesel engine emission • Solvents
Wood processing	2	<ul style="list-style-type: none"> • Isocyanates • Solvents
Recycling	4	<ul style="list-style-type: none"> • Metals • Solvents • Diesel engine emission
Dental laboratories	1	<ul style="list-style-type: none"> • Quartz • Cristobalite
Healthcare	2	<ul style="list-style-type: none"> • Solvents
Air traffic	1	<ul style="list-style-type: none"> • Diesel engine emission

2.2.3.2 *Challenges in Germany*

As EGU and VSK are based on numerous measurements. Suitable work spaces must be located for these measurements. Therefore, the development is time consuming. After the measurements, the data are statistically evaluated and assessed by various committees. Hereafter, the publication can be applied.

As there are only few EGU or VSK, they are not well known in companies, and also the chance to find a suitable EGU or VSK is low. In appendix 6.2, a list of EGU and VSK in Germany is presented.

3 Workshop summary

3.1 Introduction

On Thursday 19 May 2022, around 45 stakeholders affiliated with carcinogens gathered for an interactive online expert seminar on Roadmap Challenge 4.3 in collaboration with Challenge 3.1 ('Engaging industry and sectors'). The workshop was hosted by Business Europe and TNO. The seminar goal for Challenge 4.3 was to gain input from participants on SWPs and GPs in the EU member state countries and to share successes and challenges of using SWPs.

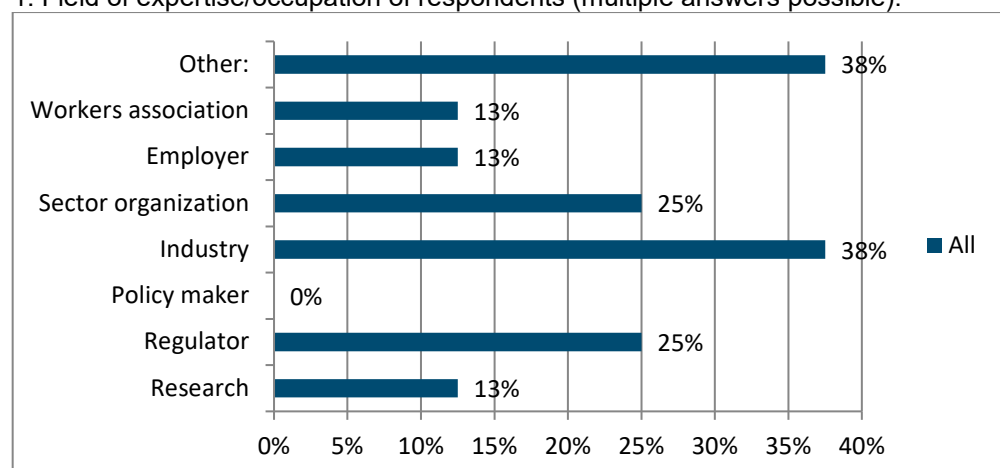
The workshop was introduced by explaining the difference between an SWP and a GP and presenting the outcome of the questionnaire (see 3.2.1) which was sent out to the participants preceding the workshop. During the workshop, a mentimeter® poll was conducted to obtain additional information on the knowledge of the participants on SWPs and GPs in their country. Hereafter, participants were allocated to a breakout group, in which specific topics were discussed in more detail. The main topics discussed during the breakout sessions were: 1) the added value of the use of SWPs, 2) communication on SWPs with stakeholders, 3) implementation of SWPs and GPs and 4) the attitude of government and industry towards SWPs and GPs.

3.2 Results

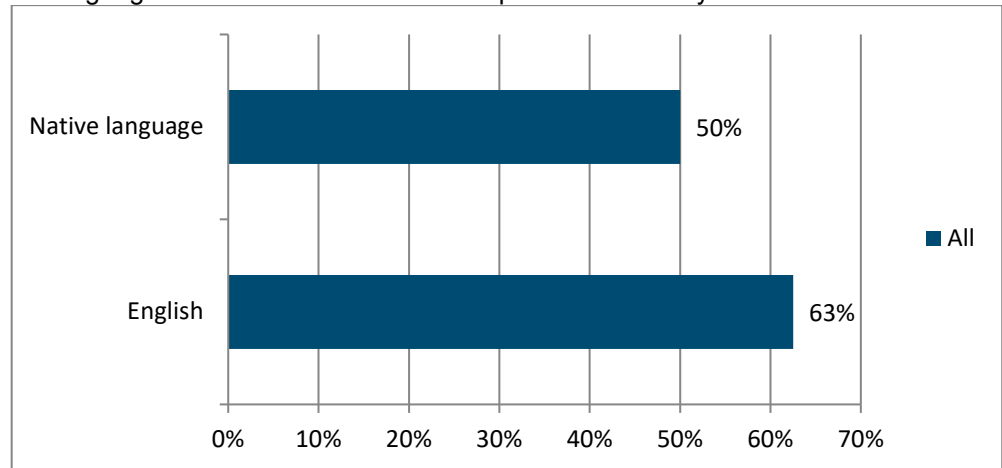
3.2.1 Questionnaire

Below, the results from the questionnaire sent preceding the workshop are presented. Please note that 7 participants filled out the questionnaire and that the results below are based on this number of responders. The respondents' countries were the Netherlands, Austria, Belgium, Slovenia, Germany, Belgium. NB: the percentages in the graphs below might not add up to 100%; percentages are calculated using the total number of respondents, also for questions that are not responded to by one or more respondents.

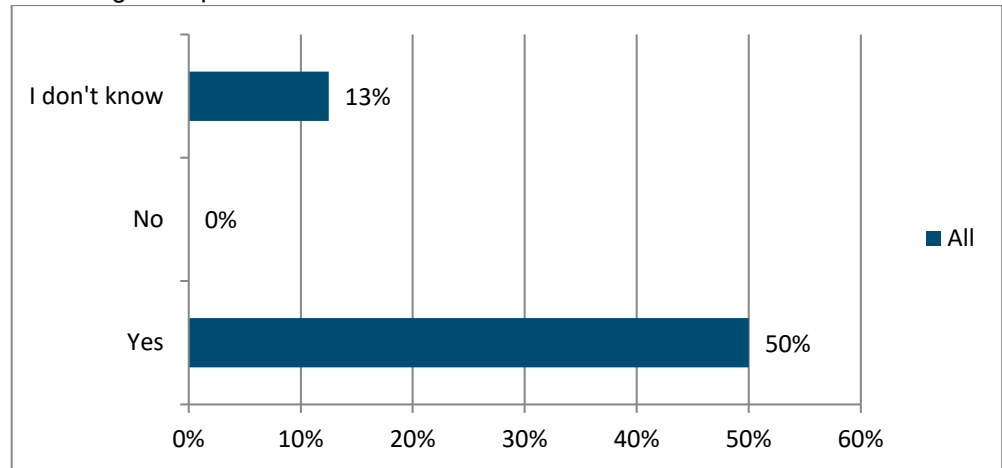
1. Field of expertise/occupation of respondents (multiple answers possible).



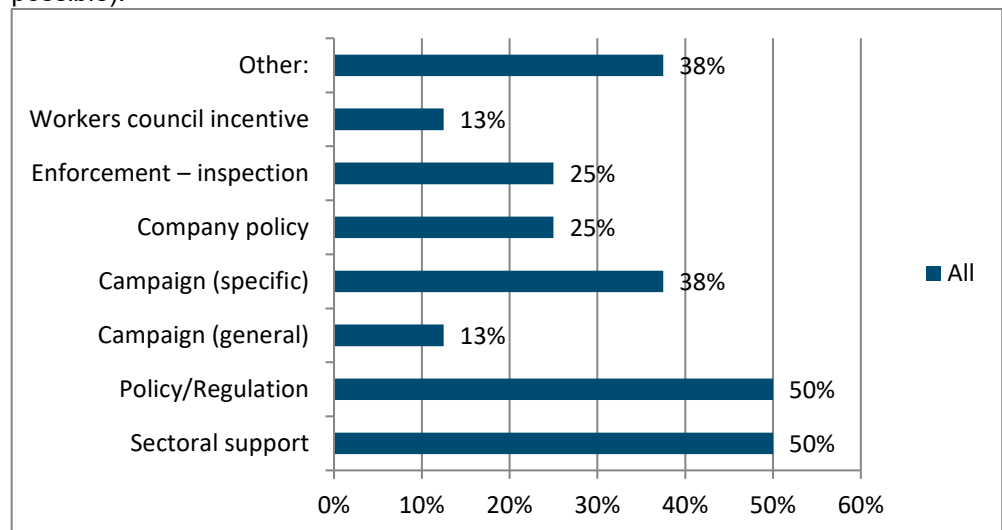
2. Language of SWPs and GPs in the respondents' country.



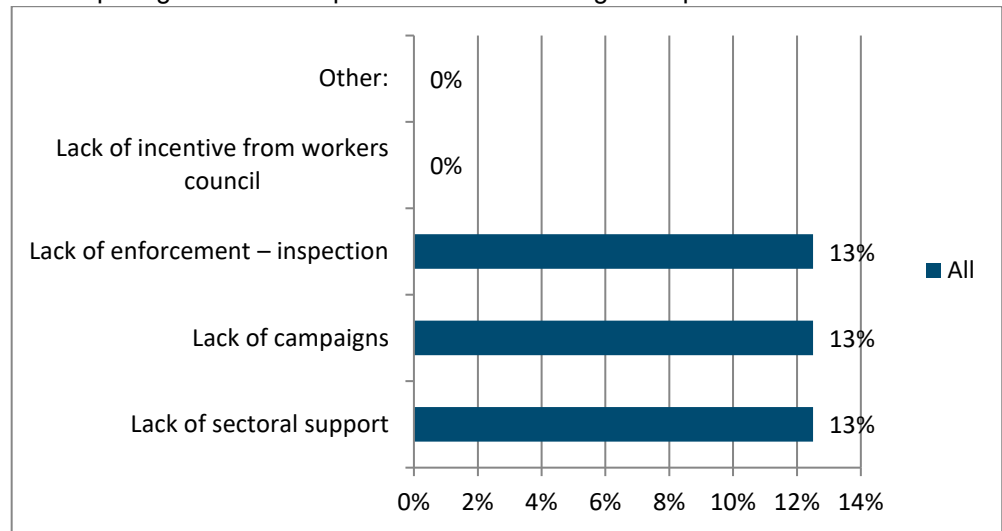
3. Answer to whether SWPs/GPs are successfully implemented in their country, according to respondents.



4. Success factors for implementation according to respondents (multiple answers possible).



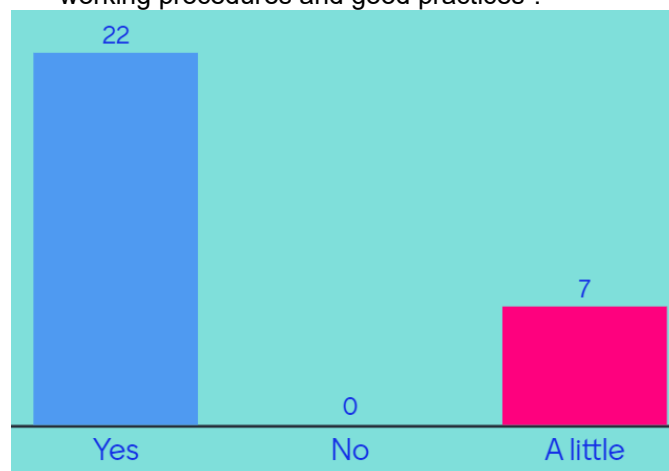
5. Hampering factors for implementation according to respondents.



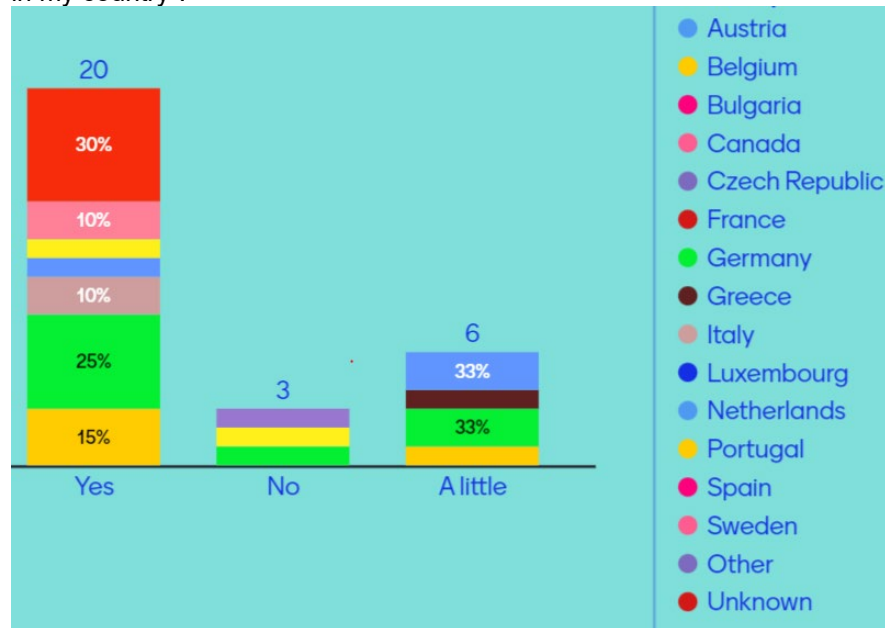
3.2.2 *Mentimeter© results.*

Figure 1 shows the participants' response to the mentimeter© questionnaire which was held during the workshop. The first question aimed to find out why the questionnaire preceding the workshop had a low response rate. Several reasons were stated: participants were too busy, did not feel involved with the topic, thought the questionnaire was too lengthy or did not receive the questionnaire. The other three questions were aimed to find out whether they understood the difference between SWPs and GPs (Figure 1A), and whether they were familiar with SWPs and GPs in their own country (Figure 1B and 1C). Most participants indicated they understood the difference between SWPs and GPs. This was expected, as the topic was clearly explained in a presentation preceding the mentimeter© questionnaire. Also, many participants indicated that they were familiar or a little familiar with SWPs and/or GPs in their country of residence.

A. Participants' response to the question "I understand the difference between safe working procedures and good practices".



B. Participants' response to the question "I am familiar with safe working procedures in my country".



C. Participants' response to the question "I am familiar with good practices in my country".

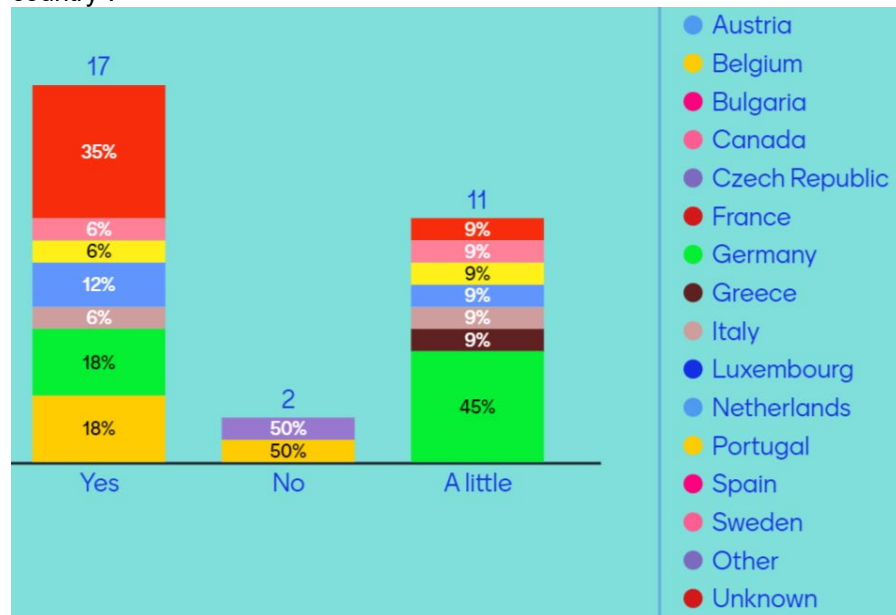


Figure 1. Participants' responses to the mentimeter© questionnaire, sorted by country of residence.

3.2.3 *Breakout groups*

Below, a summary is presented of the discussion in the four breakout groups. The main topics discussed during the breakout sessions were the added value of the use of SWPs, communication on SWPs with stakeholders, implementation of SWPs and GPs and the attitude of government and industry towards SWPs and GPs. Each of the break out groups discussed all four topics, yet, next to these topics, participants brought up multiple other related discussion points. For clarity, the notes are presented per breakout group.

Breakout group 1

Participants in breakout group 1 indicated that they were familiar with SWPs. Regarding implementation of SWPs, it was said that this is difficult in general, and that smaller companies have little knowledge of the risks and legislation, which might hamper the application of SWPs by small companies.

It was also said that although the government in Denmark and The Netherlands tries to let companies make use of SWPs by communication and awards, the inspection rate is low, which might hamper implementation. Finally, it was mentioned that in general, to date, there is a lack of sufficient useful SWPs. Working together to make a European database of SWPs could help in this respect.

Breakout group 2

Breakout group 2 mentioned for GPs in general, defining tasks was difficult due to the borderline between GPs and SWPs. A participant mentioned that in Germany, the landscape includes statutory insurance guidances, Technical Rules and VSKs which fulfill the criteria of an SWP.

Regarding hurdles to implement GPs, it was said that measurements are time and cost intensive but beneficial. Also, it was mentioned that the problem of competition comes in when sharing measurements and that sector associations play a central role here.

Participants agreed that cooperation with authorities is essential for permits for operations, but descriptions are in this case more general. Sometimes tripartite discussions are installed in the OSH area when GPs or SWPs are developed, e.g. in Germany.

Breakout group 3

All participants said to be familiar with SWPs. To the question “what is the potential of SWPs to help businesses to comply with limit values? Why? (Is it an added value, or are good practices sufficient?)”, a participant from Portugal indicated that in the mining industry, there is a lack of information and awareness on problems that are being discussed in the Roadmap. Workers do not know that there are carcinogens in the workplace and what an OEL is. On a company-based level it is going well, but not within the sectors. Also, the participants indicated that there is a lack of knowledge for inspectors as well as most of them have a background in law and are not chemists or toxicologists. A challenge mentioned by the participants was the culture of the workers to explain and implement the SWPs. The reason for this, as indicated, was that symptoms only happen after a while in this industry, so workers do not take it as seriously as acute accidents such as falling down the stairs. It is currently actively tried to change this culture however, by organizing a healthy campaign with medical experts to explain the importance of SWPs.

A participant from Germany indicated that in Germany, technical guidelines are present with rules for hazardous substances. While most are aware of these technical rules, enforcement needs to be improved so that the rules will actually be applied. This could be done by bringing information to member companies. It was also mentioned that lack of human resources at authority level could hamper implementation because the inspection rate is very low. Furthermore, the participants mentioned that training of employees is part of the technical rules as well as a basic requirement in German OSH legislation. Specific needs from different fields make it difficult to make legislation uniform.

A participant from Sweden mentioned that small companies need more assistance. Also, the participant said that it is the responsibility of the employer and employees to work in safe ways, yet this is currently not sufficiently highlighted. Sweden has a specific educational tool and trainings for workers for different sectors, which is developed together with the social partners.

A participant from Belgium said that training is not the issue with respect to implementation of SWPs, yet the culture of the company. Contractor safety management training is mandatory in Belgium but the score to pass is 75%, which leaves a lot of room for even trained personnel to not be aware of their own mistakes. The participant also said that technical controls are crucial but not always well performed.

Also this breakout group mentioned the difficulties of implementation of SWPs with regard to small and medium sized enterprises (SME).

Breakout group 4

Participants in this breakout group noted that they were familiar with SWPs, yet that implementation is still difficult. To support implementation, participants mentioned that communication, training, leadership and involvement of workers are key. In addition, it was mentioned that everyone was responsible for safe working, with special attention to employees and employers. To involve workers and make them aware of the risk, it was mentioned that different ways of communication shall be provided to stimulate workers; this can be from note boards, instructions, meetings, posters, trainings, videos, games and e-learnings. Also, risk analysis should be done by workers themselves to better understand the risk. In addition, information of risk shall be presented to workers in a short concise way instead of the current lengthy and difficult information provided.

It was mentioned that within an SWP, a safe company culture needs to be taken into account as well as the behavioral aspects and human impact.

It was furthermore mentioned that on-site H&S representatives are important to make the link between the decision-makers and workers.

4 Summary of results and future work

4.1 Main results

The aim of Challenge 4.3 of the Roadmap was to collect information on the use and implementation of SWPs and GPs in EU member states and to draft an advice on how to proceed with SWPs to reduce exposure to carcinogens.

For the collection of information on the use and implementation of SWPs and GPs in Europe, meetings with French and German roadmap challenge partners were organized, a questionnaire was sent out to all Roadmap partners and a workshop was held.

This challenge made clear that SWPs, validated with exposure measurements according to the criteria which were setup by TNO previously, are scarce in the EU member states. In the Netherlands there are two SWPs for asbestos and welding fumes. In Germany, there are clear and elaborate descriptions of exposure scenarios i.e. processes or activities with hazardous substances, called EGUs and VSKs. Also, well established coordination working groups bundle all activities concerning EGU respectively VSK. EGUs and VSKs fulfill several but not all requirements of an SWP. In France, the topic of SWPs is not yet generally known. Too little information was collected by the questionnaire and workshop to determine whether SWPs were present in other EU member states.

There are however numerous GPs present in EU member states, of which multiple are placed on the Roadmap on Carcinogens website (see 'Solutions'). Considerable differences exist among GPs regarding the level of detail. Furthermore, it is a limitation that GPs are often only written in native language and thus not widely applicable.

A challenge is the unclarity between the difference between a GP and an SWP. It is not generally recognized that an SWP should be validated with measurements. Hence, GPs may be wrongly considered as SWPs, which leads to confusion and complicates discussions between stakeholders. Furthermore, SWPs are not yet being implemented in companies. Rather, companies reinvent the wheel and draft their own working procedures and protocols, which is inefficient and hampers harmonization. Another challenge is regulatory acceptance of SWPs. For example, the Netherlands Labour Authority (NLA) does not automatically approve SWPs as standalone products, which does not stimulate the development of SWPs.

During the workshop and in the questionnaire, multiple reasons that hamper or support the use of SWPs/GPs were mentioned; an overview is presented in Box 1. Please note that the factors were suggested by workshop participants and thus provided from their individual point of view.

It should be mentioned, although participants indicated they understood the difference between an SWP and GP, the concepts were not clearly distinguished during the breakout group discussions.

Box 1. Factors that support or hamper the use of SWPs/GPs according to workshop participants.

Supporting factors	Hampering factors
<ul style="list-style-type: none"> • Workers council incentive • Enforcement by inspection • Company policy • Generic campaigns • Specific campaigns • Policy/regulation • Sectoral support • Assistance for SMEs • Education and training for workers • Communication to workers in a clear and concise way • Leadership • Involvement of workers • On-site health & safety representatives 	<ul style="list-style-type: none"> • Measurements are time and cost intensive • Low rate of inspection • Lack of SWPs • Competition regarding the sharing of measurement data • Conservative culture • The danger of carcinogens is underestimated • SMEs have little knowledge of risk and legislation • Lack of enforcement • Lack of human resources at authorities • SWPs are not a part of legislation • Lack of campaigns • Lack of sectoral support • Effort to develop an SWP

4.2 How to proceed with SWPs as an accepted alternative to comply and to reduce exposure to carcinogens?

Employers are required by law to protect their workers against exposure to hazardous substances. An employer needs to be able to demonstrate that workers are not exposed to hazardous substances above the (legal) limit value. SWPs would be an efficient and cost-effective way to show that workers are not exposed above the limit value. However, currently, multiple factors hamper the development and use of SWPs, as visible in Box 1. Moreover, the concept of an SWP according to the described criteria in the Netherlands is not yet widely known. The first step towards the development of novel and the use of existing SWPs would be the broad disclosure of the concept. Therefore, the next step within the Roadmap is to draft a short and catchy article that clarifies the SWP concept including a case of a currently applied SWP (e.g. asbestos in the Netherlands). Also, the article will include information on how the use of SWPs is cost-effective on the long-term. The article will be shared on social media and with relevant stakeholders who will be asked to spread it within their network.

5 References

Terwoert, J., 2017. Veilige werkwijzen voor stoffen – waaraan moeten deze voldoen?. Tijdschrift voor toegepaste Arbowetenschap. 2017;30(2).

TNO memo. Eelco Kuijpers, Jody Schinkel, Maaïke Le Feber, Wouter Fransman. Valideren van veilige werkwijzen.

TNO report, 2009. Wouter Fransman, Hans Marquart, Maaïke le Feber. Kwaliteitscriteria veilige werkwijzen.

6 Signature

TNO, 30 March 2023

C. de Jong-Rubingh
Research Manager RAPID

M.Y. Meima
Author

7 Appendix

7.1 Safe working procedures / Good practices in The Netherlands.

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Werkplek kankervrij	Veilige werkwijze	Meerdere	Meerdere	http://werkplekkankervrij.nl/
On the road to zero	Veilige werkwijze/campagne/instrument	Meerdere	Meerdere	https://roadmaponcarcinogens.eu/solutions/good-practices/road-zero-actions-labour-inspectorate-cmr-substances/
Interflon non-CMR based lubricants	Veilige werkwijze	Meerdere	Smeermiddelen	https://www.interflon.com/nl/
Arbocatalogus aannemers vereniging metselwerken	Arbocatalogus	Aannemers vereniging metselwerken		http://www.avmmetselwerken.nl/index.php
Arbocatalogus AGF Groothandelsfonds	Arbocatalogus	AGF groothandelsfonds		http://www.gezondehandel.nl/net-book.php?op=cms_solutionbook&refresh=1&experience=0&query=
Arbocatalogus AGF detailhandel	Arbocatalogus	AGF detailhandel		https://agfdetailhandel.nl/medewerkers/personeels-beleid/afspraken-2-2-2/
Arbocatalogus agrarische en groene sectoren	Arbocatalogus	Agrarische en groene sectoren		https://agroarbo.nl/
Arbocatalogus voor de afbouw	Arbocatalogus	Afbouw		http://www.arbocatalogus-afbouw.nl/
Arbocatalogus akkerbouw en vollegrondsteelt	Arbocatalogus	Akkerbouw en vollegrondsteelt		https://agroarbo.nl/sector/akkerbouw-en-vollegrondsteelt/
Arbocatalogus voor de openbare apotheken	Arbocatalogus	Apotheken		http://www.arbo-apotheek.nl/home
Arbocatalogus afvalbranche	Arbocatalogus	Afvalbranche	Biologische agentia, DME, asbest, oplosmiddelen, kwarts, verontreinigde grond	http://www.arbocatalogus-afvalbranche.nl/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Inspectiewijzer voor het project: bakkerijen en zoetwaren	Arbocatalogus	Ambachtelijke bakkerijen	Meelstof	http://www.nbov.nl/websites/nbov/docs/Inspectie richtlijn_Bakkerijen_en_Zoetwaren_jan2012.pdf
Arbocatalogus amulancezorg	Arbocatalogus	Ambulancezorg	Biologische agentia	https://www.ambulancezorg.nl/themas/arbeidsmar kt-en-werkgeverschap/arbeidsomstandigheden
Arbocatalogus architecten	Arbocatalogus	Architecten		http://www.sfa-architecten.nl/arbo/arbocatalogus- architecten
Handboek stofbeheersing in bakkerijen	Veilige werkwijze	Bakkerij, meelmaal industrie, meelverwerkende industrie	Dieselmotoremissies, enzymen, meelstof, oplosmiddelen, pesticiden	http://www.blijmetstofvrij.nl/Handboek%20stofvrij.p df
Arbocatalogus voor de banden- en wielenbranche	Arbocatalogus	Banden- en wielen branche	Dieselmotor emissie	http://www.bandenenwielen-arbocatalogus.nl/
Arbocatalogus beroepsonderwijs en volwasseneducatie MBO	Arbocatalogus	Beroepsonderwijs en volwasseneducatie MBO	O.a. verf, schoonmaakmiddelen, lasrook, houtstof, kwartsstof	http://www.arbocatalogusmbo.nl/
Arbocatalogus bestratingen	Arbocatalogus	Bestratingen		http://www.arbocatalogus-bestratingen.nl/
Arbocatalogus Betonmortel	Arbocatalogus	Beton industrie	Dieselmotor emissie / kwarts	http://www.arbocatalogusbetonmortel.nl/
Arbocatalogus voor de betonproducentenindustrie	Arbocatalogus	Beton industrie	Kwarts	http://www.bfbn.dearbocatalogus.nl/
Arbocatalogus Binnenvaart	Arbocatalogus	Binnenvaart	Bijtende stoffen, brandstoffen, gassen, koelwatertoevoegingen, oplosmiddelen, radioactieve stoffen, reinigingsmiddelen/ontvetters, smeeriolien en vetten, verven	https://www.arbo-binnenvaart.nl/
Arbocatalogus bioscoopbedrijf	Arbocatalogus	Bioscoopbedrijf	Gevaarlijke stoffen bij schoonmaak	http://bioscoop.dearbocatalogus.nl/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus bloembollenteelt en - handel	Arbocatalogus	Bloembollenteelt en -handel	Niet aangegeven	https://agroarbo.nl/sector/bloembollenteelt-en-handel/
Arbocatalogus Bloemenveilingen	Arbocatalogus	Bloemenveilingen	Dieselmotor emissie	http://www.arbocatalogus-bloemenveilingen.nl/Pages/Default.aspx
Arbocatalogus boomteelt en vaste planten	Arbocatalogus	Boomteelt en vaste planten	Niet aangegeven	https://agroarbo.nl/sector/boomteelt-en-vaste-plantenteelt/
Arbocatalogus bos en natuur	Arbocatalogus	Bos en natuur	Biologische agentia	https://agroarbo.nl/sector/bos-en-natuur/
Arbocatalogus bouw en infra	Arbocatalogus	Bouw	Kankerverwekkende stoffen, biologische agentia, schadelijke stoffen, asbest, glas- en steenwol, houtstof, kwartsstof, lasrook	http://www.arbocatalogus-bouweninfra.nl/
A-blad Houtstof op de bouwplaats	Veilige werkwijze	Bouw	Houtstof	https://www.volandis.nl/media/2036/a-blad-houtstof-bouwplaats.pdf
A-blad Metselen en lijmen	Veilige werkwijze	Bouw	Cementen & lijmen	https://www.volandis.nl/media/2099/17094787-a-blad-metselen-en-lijmen_nieuw.pdf
A-blad epoxygebonden betonreparatiemiddelen	Veilige werkwijze	Bouw	Epoxy	https://www.volandis.nl/media/2034/a-blad-epoxygebonden-betonreparatiemiddelen.pdf
A-blad epoxyproducten in de afbouw en onderhoudssector	veilige werkwijze	Bouw	Epoxy	https://www.volandis.nl/media/2035/a-blad-epoxyproducten-afbouw-onderhoudssector.pdf
A-blad ontkistingsmiddelen in de bouw	Veilige werkwijze	Bouw	ontkistingsmiddelen	https://www.volandis.nl/media/2039/a-blad-ontkistingsmiddelen.pdf
A-blad hellende daken	Veilige werkwijze	Bouw	Stof/asbest	https://www.volandis.nl/media/1122/16063832-a-blad-hellende-daken-hr.pdf
A-blad reinigen met zuren en logen	Veilige werkwijze	Bouw	Zuren en logen	https://www.volandis.nl/media/2040/a-blad-reinigen-met-zuren-en-logen.pdf

Veilige werkwijzen	Type	Branche	Stofgroep	Link
A-blad tegelzetten	Veilige werkwijze	Bouw	Lijm, cement, stof	https://www.volandis.nl/media/2100/17094787-a-blad-tegelzetten_nieuw.pdf
A-blad voegen	Veilige werkwijze	Bouw	(Kwarts)stof	https://www.volandis.nl/media/2068/17094787-a-blad-voegen-printvriendelijk-003.pdf
A-blad wegmarkeringen	Veilige werkwijze	Bouw	Niet aangegeven	https://www.volandis.nl/media/2098/17094787-a-blad-wegafzettingen_nieuw.pdf
A-blad kabels en buizen leggen	Veilige werkwijze	Bouw	Asbest, verontreinigde grond	https://www.volandis.nl/media/2096/17094787-a-blad-kabels_nieuw.pdf
A-blad Natuursteen	Veilige werkwijze	Bouw, natuursteenbranche	(Kwarts)stof	https://www.volandis.nl/media/2038/a-blad-natuursteen.pdf
A-blad kitverwerkende bedrijven	Veilige werkwijze	Bouw	Vluchtige stoffen, isocyanaten, thiram, 2-butanonoxim	https://www.volandis.nl/media/2037/a-blad-kitverw-bedrijven.pdf
A-blad bestratingsmateriaal	Veilige werkwijze	Bouw	Stof	https://www.volandis.nl/media/1210/a-blad-bestratingsmateriaal-printvriendelijk.pdf
A-blad betonstaal verwerken	Veilige werkwijze	Bouw	Ontkistingsmiddelen, lasrook	https://www.volandis.nl/media/2093/17094787-a-blad-betonstaal_nieuw.pdf
A-blad dakkappen en kozijnen plaatsen en monteren	Veilige werkwijze	Bouw	Kwartsstof, Houtstof, lijmen, kitten, PUR schuim	https://www.volandis.nl/media/2094/17094787-a-blad-dakkappen_nieuw.pdf
Good practice guide silica	Veilige werkwijze	Bouw	(Kwarts)stof	https://www.nepsi.eu/good-practice-guide
Toolbox stofvrij werken	Veilige werkwijze	Bouw	(Kwarts)stof	http://www.stofvrijwerken.tno.nl/media1/toolbox-stofvrijwerken
FNV bouw veilig app, voor veilig werken in de bouw	Veilige werkwijze	Bouw	(Kwarts)stof	https://www.fnvbouw.nl/actueel/nieuws/Paginas/Nieuw_FNV_Bouw_Veilig_app_voor_veilig_werken_in_de_bouw_1582.aspx
The dangers of silica dust	Veilige werkwijze	Bouw	(Kwarts)stof	https://www.inspectieszw.nl/publicaties/videos/the-dangers-of-silica-dust.aspx (link werkt niet meer)

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Veilig in elke Vezel	Veilige werkwijze	Bouw/asbest saneerders	Asbest	https://www.vezelveiligheid.nl/over-vezelveiligheid/
Schoon werken bij brand	Veilige werkwijze	Brandweer	Meerdere	https://www.brandweer.nl/media/1407/handreiking_schoon_werken_bij_brand.pdf
Arbocatalogus voor het mobiele recreatie en aanhangbedrijf	Arbocatalogus	Caravan-, camper- en motorenrevisie	Accuzuur, Lasrook, metaalbewerkingsvloei stoffen, olie en smeermiddelen, reinigers en ontvetters	https://www.arbocatalogusmobiel.nl/mobiliteit/mobiele-recreatie-en-aanhangwagenbedrijf
Arbocatalogus carrosseriebranche	Arbocatalogus	Carrosseriebranche	Dieselmotoremissies, anderen	http://www.arbocatalogus-carrosserie.nl/
Arbocatalogus composieten	Arbocatalogus	Composietenindustrie	Vluchtige organische stoffen	http://compositesnl.mijnarbocatalogus.nl/
Arbocatalogus contactcenters	Arbocatalogus	Contactcenters	Niet aangegeven	http://www.arbocataloguscontactcenters.nl/
Arbocatalogus contractcatering	Arbocatalogus	Contractcatering	Niet aangegeven	http://www.contractcatering.dearbocatalogus.nl/sites/default/files/contractcatering/Arbocatalogus.pdf
Arbocatalogus crematoria	Arbocatalogus	Crematoria	Biologische agentia, stof en fijnstof	http://www.lvc-online.nl/viewer/file.aspx?FileInfoID=79
Arbocatalogus defensie	Arbocatalogus	Defensie	Dieselmotoremissies, lasrook	https://puc.overheid.nl/mp-bundels/doc/PUC_122000001000_10/1/
Arbocatalogus voor dierenartsenpraktijken	Arbocatalogus	Dierenartsenpraktijken	CMR stoffen	http://www.knmvd.dearbocatalogus.nl/
Arbocatalogus dierentuinen	Arbocatalogus	Dierentuinen	Biologische agentia	http://www.nvddierentuinen.nl/wp-content/uploads/2011/04/098744-NvD-Arbofolder.pdf

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus voor de diervoederindustrie	Arbocatalogus	Diervoeder	Dieselmotoremissies, schoonmaak middelen, stof, voedingsadditieven	http://pdv-diervoeder.humatix.nl/Default.aspx
Arbocatalogus drogisterijbranche	Arbocatalogus	Drogisterijbranche	Niet aangegeven	http://www.metplezierwerkenindedrogisterij.nl/
Arbocatalogus flexografisch bedrukken van etiketten	Arbocatalogus	Flexografisch bedrukken van etiketten	Niet aangegeven	https://www.efsa.europa.eu/health-and-safety/arbocatalogus.html
Arbocatalogus flexografisch bedrukken van plastic folie	Arbocatalogus	Flexografisch bedrukken van plastic folie	Gevaarlijke stoffen	https://www.efsa.europa.eu/health-and-safety/arbocatalogus.html
Arbocatalogus fruitteelt	Arbocatalogus	Fruitteelt	Niet aangegeven	https://agroarbo.nl/sector/fruiteelt/
Arbocatalogus funderingsbranche	Arbocatalogus	Fundering	Dieseemissies, kankerverwekkende stoffen	http://www.arbocatalogus-funderingen.nl/
Arbocatalogus Fenelab	Arbocatalogus	Geaccrediteerde laboratoria en kalibratie- en inspectie-instellingen	CMR stoffen, vluchtige organische stoffen	http://www.fenelab.nl/publicaties/arbocatalogus/
Arbocatalogus voor de geestelijke gezondheidszorg	Arbocatalogus	Geestelijke gezondheidszorg	Biologische agentia, allergene stoffen, andere	http://www.arbocatalogusggz.nl/risicogebied/gevaarlijke-stoffen.58.html
Arbocatalogus gehandicaptenzorg	Arbocatalogus	Gehandicaptenzorg	Niet aangegeven	https://www.arbocatalogusgehandicaptenzorg.nl/
Arbocatalogus gemeenten	Arbocatalogus	Gemeenten	Biologische agentia	https://www.aeno.nl/#zoeken/arbocatalogus/p1
Arbocatalogus gemengde branche en speelgoedbranche	Arbocatalogus	Gemengde- en speelgoedbranche	Niet aangegeven	https://www.gebra.nl/view.cfm?page_id=74276

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus Glastuinbouw	Arbocatalogus	Glastuinbouw	Gewasbestrijdingsmiddelen	https://agroarbo.nl/sector/glastuinbouw/
Arbocatalogus glaszetten	Arbocatalogus	Glaszetten	dieselmotoremissies, Oplosmiddelen	http://www.arbocatalogus-glaszetten.nl/
Arbocatalogus Golfaccommodaties	Arbocatalogus	Golfaccommodaties	Gewasbestrijdingsmiddelen	http://www.drivenaarveiligwerken.nl/
Arbocatalogus graan	Arbocatalogus	Graan	Algemeen, medicijnen, gevaarlijke gassen, stof	https://www.arbocatalogusgraan.nl/
Arbocatalogus Grafimedia	Arbocatalogus	Grafimedia	Meerdere	https://www.arbografimedia.nl/
Arbografimedia stofwisseling	Veilige werkwijze	Grafimedia	Meerdere	https://www.arbografimedia.nl/
Arbocatalogus van grimeurs	Arbocatalogus	Grimeurs	lijmen en removers, vluchtige organische stoffen	https://www.cvae.nl/grimeur/branchekwaliteit/arbocatalogus/arbocatalogus-voor-de-grimeurs
Arbocatalogus Groothandel Bloemen en Planten	Arbocatalogus	Groothandel bloemen en planten	Dieselmotor emissies	http://www.arbocatalogusvsgb.dearbocatalogus.nl/
Arbocatalogus groothandel in eieren, eiprodukten en de eiproduktenindustrie	Arbocatalogus	Groothandel in eieren, eiprodukten en de eiproduktenindustrie	Niet aangegeven	http://www.anevei.dearbocatalogus.nl/
Arbocatalogus groothandel in levensmiddelen	Arbocatalogus	Groothandel in levensmiddelen	Niet aangegeven	http://www.groothandelinlevensmiddelen.nl/index.php?id=99
Arbocatalogus voor de handel in granen, zaden en peulvruchten	Arbocatalogus	Handel in granen, zaden en peulvruchten	meerdere	http://docplayer.nl/12098110-Arbocatalogus-handel-in-granen-zaden-en-peulvruchten.html
Arbocatalogus voor de handel in wijnen en dranken	Arbocatalogus	Handel in wijnen en dranken	Waterstof gas, dieselmotoremissies	http://www.arbocatalogusdranken.nl/
Arbocatalogus hoger beroepsonderwijs	Arbocatalogus	Hoger beroepsonderwijs	gevaarlijke stoffen, biologische agentia	https://www.arbocatalogushbo.nl/gevaarlijke-stoffen-biologische-agentia-en-machineveiligheid/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus Horeca	Arbocatalogus	Horeca	Schoonmaakmiddelen	http://starthoreca.nl/downloads/Arbo-Catalogus-Horeca.pdf
Arbocatalogus HISWA	Arbocatalogus	Houten en kunststoffen jachtbouw en waterrecreatieondersteunende activiteiten	Vluchtige organische stoffen, epoxy's, lasrook	http://www.jachtbouw.dearbocatalogus.nl/
Arbo meetkoffer houthandel	Veilige werkwijze	Houthandel	Asbest, uitlaatgassen, houtverduurzamingsmiddelen, verven/lijmen, legionella	http://www.arbotoolkithouthandel.nl/content/gevaarlijke-stoffen
Arbocatalogus Hoveniers en Groenvoorziening	Arbocatalogus	Hoveniers en Groenvoorziening	Gewasbestrijdingsmiddelen, uitlaatgassen	https://agroarbo.nl/sector/hoveniers-en-groenvoorziening/
Arbocatalogus huisartsen (landelijke)	Arbocatalogus	Huisartsen	Vloeibaar stikstof, biologische agentia	http://www.lhv.dearbocatalogus.nl/
Arbocatalogus huisartsenposten	Arbocatalogus	Huisartsenposten	Biologische agentia	http://huisartsenposten.dearbocatalogus.nl/
Arbocatalogus industriële bakkerijen	Arbocatalogus	Industriële bakkerijen	Stoffen en meelstof	http://www.arbocataloguszoetwaren.nl/
Arbocatalogus voor de sector Orsima	Arbocatalogus	Industriële reiniging, milieuonderhoud, scheeps- en containeronderhoud, havenservice en ondersteunende diensten	Dieselmotoremissies, oplosmiddelen, pesticiden en vuil	http://orsima.dearbocatalogus.nl/
Handboek vuil	Veilige werkwijze	Industriële reiniging, milieuonderhoud, scheeps- en containeronderhoud, havenservice en ondersteunende diensten	Vuil	http://docs.minszw.nl/pdf/158/2007/158_2007_5_3_564.pdf
Arbocatalogus installatie techniek	Arbocatalogus	Installatie en isolatie	Asbest, kwartsstof	https://www.ii-mensenwerk.nl/arbocatalogus/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Het blauwe boekje - veilig, gezond, milieutechnisch verantwoord werken in de installatie techniek	Veilige werkwijze	Installatie techniek	Dieselmotoremissies, oplosmiddelen, pesticiden	https://www.uneto-vni.nl/home
Arbocatalogus jeugdzorg	Arbocatalogus	Jeugdzorg	Biologische agentia	https://www.fcb.nl/arbocatalogus/jeugdzorg
Arbocatalogus Kaaspakhuisbedrijf	Arbocatalogus	Kaasgroothandel	Inkt, olie en smeermiddel, koelvloeistof, accuzuur, biociden, irriterende, bijtende en corrosieve stoffen, stikstof- en koolzuurgas	http://www.werkenkaas.nl/index.php?page=Arbocatalogus
Arboconvenant kappers	Veilige werkwijze	Kappers	Allergenen, dieselmotoremissies, oplosmiddelen, pesticiden	http://healthyhairdresser.nl/
Arbocatalogus voor de keramische industrie	Arbocatalogus	Keramische (proces)industrie	Kwartsstof	http://www.keramische-industrie.dearbocatalogus.nl/
Arbocatalogus kinderopvang	Arbocatalogus	Kinderopvang	Biologische agentia	https://www.fcb.nl/arbocatalogus/kinderopvang
Arbocatalogus kunsteducatie	Arbocatalogus	Kunstenaarsbranche	Kwartsstof, houtstof, ontwikkelvloeistof, stop- en fixeer, reinigingsmiddelen	http://www.fnv-kiem.nl/files/contents/Arbocatalogus%20Kunsteducatie%20versie%20website%20februari%202011.pdf
Arbocatalogus mechanisch loonwerk	Arbocatalogus	Mechanisch loonwerk	Gewasbeschermingsmiddelen, mestgassen, stof, uitlaatgassen, verontreinigde grond en (grond)water, biologische agentia	https://agroarbo.nl/sector/mechanisch-loonwerk/
Arbocatalogus meelfabrikanten	Arbocatalogus	Meelfabrikanten	Meelstof	http://meel.mijnarbocatalogus.nl/
Arbocatalogus melkvee en graasdieren	Arbocatalogus	Melkvee en graasdieren	Vloeibaar stikstof, mestgassen	https://agroarbo.nl/sector/melkvee-en-graasdieren/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Handboek veilig en gezond werken met metaalbewerkingsvloeistoffen (MBV)	Veilige werkwijze	Metaalbewerking en metaalsector	Dieselmotoremissies, metaalbewerkingsvloei stoffen, oplosmiddelen, pesticiden	http://docs.minszw.nl/pdf/158/2007/158_2007_5_3_799.pdf
Arbocatalogus metaal conservering	Arbocatalogus	Metaal conservering	Gevaarlijke stoffen	http://www.arbocatalogus-metaalconservering.nl/
Arbocatalogus meubelindustrie	Arbocatalogus	Meubelindustrie	Houtstof, oplosmiddelen	http://www.arbocatalogus-meubelindustrie.nl/
Gewoon doen.nu - arboconvenant meubelindustrie	Veilige werkwijze	Meubelindustrie	Dieselmotoremissies, oplosmiddelen, pesticiden	http://docplayer.nl/8473349-Arboconvenant-meubelindustrie.html
Arbocatalogus mode- en interieurindustrie	Arbocatalogus	Mode- en interieurindustrie	Niet aangegeven	http://www.modintarbocatalogus.nl/mode-interieur/
Arbocatalogus motorenrevisiebedrijven	Arbocatalogus	Motorenrevisiebedrijven	Accuzuur, metaalbewerkingsvloei stoffen, reinigings- en ontvettingsmiddelen, koelvloeistof, olie en smeermiddelen, stof (deeltjes), lasrook, opslag	https://www.arbocatalogusmobiel.nl/mobiliteit/motorenrevisie
Arbocatalogus motorvoertuigen- en tweewielersbranche	Arbocatalogus	Motorvoertuigen- en tweewielersbranche	Accuzuur, olie- en smeermiddelen, stof (deeltjes) koelvloeistof, opslag, DME, lastrook, reinigings- en ontvettingsmiddelen, legionella	https://www.arbocatalogusmobiel.nl
Arbocatalogus natuursteen	Arbocatalogus	Natuursteen	Kankerverwekkende stoffen, kwartsstof, schadelijke stoffen	http://www.arbocatalogus-natuursteen.nl/
Arbocatalogus netwerkbedrijven energiesector	Arbocatalogus	Netwerkbedrijven energiesector	Asbest, stoffen in verontreinigde bodem, SF6	http://netwerkbedrijven.dearbocatalogus.nl/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus PO	Arbocatalogus	Onderwijs - primair	Meerdere, niet gespecificeerd	https://www.arbocataloguspo.nl/WebContent/Home.aspx
Arbocatalogus VO	Arbocatalogus	Onderwijs - voortgezet	Gevaarlijke stoffen, asbest	https://www.arbocatalogus-vo.nl/
Arbocatalogus onderzoeksinstellingen	Arbocatalogus	Onderzoeksinstellingen	Niet aangegeven	http://www.wvoi.nl/default.asp?cid=127
Arbocatalogus openbare bibliotheken	Arbocatalogus	Openbare bibliotheken	Niet aangegeven	http://www.debibliotheken.nl/werkgeverszaken/instrumenten/arbocatalogus/
Arbocatalogus van de orgelbouwers	Arbocatalogus	Orgelbouwers	Houtstof, Lood en loodwit	https://www.cvae.nl/orgelbouwer/branchekwaliteit/arbocatalogus/arbocatalogus-voor-de-orgelbouwer
Schoentechniek veilig.nl	Veilige werkwijze/instrument	Orthopedische schoentechnicus	Dieselmotoremissies, oplosmiddelen, pesticiden, schuurstof, stoffen schadelijk voor de huid, vluchtige organische stoffen	http://www.schoentechniekveilig.nl/
Arbocatalogus van de orthopedische schoentechnicus	Arbocatalogus	Orthopedische schoentechnicus	Dieselmotoremissies, oplosmiddelen, pesticiden, schuurstof, stoffen schadelijk voor de huid, vluchtige organische stoffen	https://www.cvae.nl/orthopedisch-schoentechnicus/branchekwaliteit/arbocatalogus/arbocatalogus
Arbocatalogus paardenhouderij	Arbocatalogus	Paardenhouderij	Asbest, legionella, vloeibare stikstof	https://agroarbo.nl/sector/paardenhouderij/
Arbocatalogus PKGV-Industrie	Arbocatalogus	Papier en karton	Asbest, dieselmotoremissies, fijnstof, H2S (waterstofsulfide of zwavelwaterstof), oplosmiddelen, pesticiden	http://www.verbondpk.nl/Arbocatalogus/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Papier en kartonindustrie, omgaan met oplosmiddelen in verpakingsdrukkerijen	Veilige werkwijze	Papier en karton	Oplosmiddelen	https://www.arbografimedia.nl/
Arbocatalogus particuliere beveiliging	Arbocatalogus	Particuliere beveiliging	Niet aangegeven	http://beveiligingsbranche.dearbocatalogus.nl/
Arbocatalogus personenauto- en bedrijfsautobedrijven	Arbocatalogus	Personenauto- en bedrijfsautobedrijven	Dieselmotoremissies, accuzuur, koelvloeistoffen, lijmen/kitten, olie/smeermiddelen, reinigings- en ontvettingsmiddelen, stof, lasrook	https://www.arbocatalogusmobiel.nl/mobiliteit/personenautobedrijf
Arbocatalogus platte daken	Arbocatalogus	Platte daken	Asbest, CMR stoffen, meerdere	http://www.arbocatalogus-plattedaken.nl/
Arbocatalogus pluimvee industrie	Arbocatalogus	Pluimvee industrie	Biologische agentia	http://www.szpluimvee.nl/page/288/arbocatalogus.html
Arbocatalogus podiumkunsten 'fysieke belasting, hijsen en heffen'	Arbocatalogus	Podiumkunsten	Niet aangegeven	https://www.vscd.nl/dossiers-diensten/arbo-techniek/arbocatalogus-podiumkunsten
Arbocatalogus politie	Arbocatalogus	Politie	Niet openbaar	https://www.arboportaal.nl/externe-bronnen/arbocatalogi/politie
Arbocatalogus PUR producenten	Arbocatalogus	Producenten van hard en zacht polyurethaanschuim	Isocyanaten, vluchtige organische stoffen	http://nrk-schuim.mijnarbocatalogus.nl/
Arbocatalogus Lijmen	Arbocatalogus	Producenten van lijmen en kitten	Vluchtige organische stoffen	http://nrk-lijmkit.mijnarbocatalogus.nl/
Arbocatalogus voor de productie in dranken	Arbocatalogus	Productie in dranken	Waterstof gas, dieselmotoremissies	http://www.arbocatalogusdranken.nl/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus productie- en leveringsbedrijven in de energiesector	Arbocatalogus	Productie- en leveringsbedrijven in de energiesector	Meerdere	http://windenergiebedrijven.dearbocatalogus.nl/
Arbocatalogus provincies	Arbocatalogus	Provincies	Biologische agentia	http://provincies.arbocatalogus.net/
Arbocatalogus publieke omroep	Arbocatalogus	publieke omroep	Niet aangegeven	http://www.omroep.dearbocatalogus.nl/
Arbocatalogus railinfra	Arbocatalogus	Railinfra	Kwartsstof, biologische urgentia	http://www.sas-net.nl/arbocatalogus/wat-is-de-arbocatalogus
Arbocatalogus reclameproductie	Arbocatalogus	Reclameproductie	Niet aangegeven	https://www.vsbn.nl/pg-7821-7-4958/pagina/welkom.html
Arbocatalogus recreatie	Arbocatalogus	Recreatie	Niet aangegeven	http://kikk-recreatie.dearbocatalogus.nl/
Arbocatalogus reisbranche	Arbocatalogus	Reisbranche	Niet aangegeven	https://www.reiswerk.nl/medewerker-in-de-reiswereld/hoe-blijf-ik-fit/een-gezonde-werkplek/arbocatalogus
Arbocatalogus rijk	Arbocatalogus	Rijk	Niet aangegeven	https://www.aofondsrijk.nl/arbocatalogus-rijk/
Arbocatalogus rubber	Arbocatalogus	Rubber producenten	Vluchtige organische stoffen	http://nrk-rubber.mijnarbocatalogus.nl/
Arbocatalogus schilderen en vastgoedonderhoud	Arbocatalogus	Schilderen en vastgoedonderhoud	Dieselmotoremissies, oplosmiddelen, pesticiden, verfproducten, vluchtige organische stoffen	http://www.arbocatalogus-schilderen-onderhoud.nl/
Arbocatalogus schoentechniek	Arbocatalogus	Schoenherstellers	Dieselmotoremissies, oplosmiddelen, pesticiden, schuurstof, stoffen schadelijk voor de huid, verharders en verdunners, vluchtige organische stoffen, weekmakers	http://www.arboschoenmaker.nl/
Arbocatalogus van de schoonheidsspecialist	Arbocatalogus	Schoonheidsverzorgers	Pigmenten, cytostatica, alcohol	https://www.cvae.nl/schoonheidsspecialist/branche-kwaliteit/arbocatalogus/arbocatalogus

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus schoonmaak- en glazenwassersbedrijf	Arbocatalogus	Schoonmaak- en glazenwassersbranche	Dieselmotoremissies, oplosmiddelen, pesticiden, schoonmaak- en onderhoudsmiddelen	https://www.ras.nl/arbeidsomstandigheden/arbocatalogus/
Arbocatalogus slopen	Arbocatalogus	Slopen	Asbest, dieselmotoremissies, houtstof, isolatiematerialen, kwartsstof, metaalstof, PAKs, roet, rook, vezels	http://www.arbocatalogus-slopen.nl/
Arbocatalogus sociale werkvoorziening	Arbocatalogus	Sociale werkvoorziening	Gevaarlijke stoffen	https://www.arbocatalogussw.nl/home.html
Arbocatalogus sport	Arbocatalogus	Sport	Niet aangegeven	https://www.fnv.nl/sector-en-cao/alle-sectoren/sport-en-bewegen/arbocatalogus-sport/
Arbocatalogus sportwinkel- en modebranche	Arbocatalogus	Sportwinkel- en modebranche	Niet aangegeven	http://www.arboindemode.nl/
Arbocatalogus takel- en bergingsbedrijven	Arbocatalogus	Takel- en bergingsbedrijven	Niet aangegeven	https://www.arbocatalogusmobiel.nl/mobiliteit/takel-en-berging
Arbocatalogus tank- en wasstations	Arbocatalogus	Tank- en wasstations	Schoonmaakmiddelen, algemeen, auto- en truckwasmiddelen, biologische agentia, brandstoffen	https://www.arbocatalogusmobiel.nl/mobiliteit/tankstation
Arbocatalogus tapijt en textielindustrie	Arbocatalogus	Tapijt- en textielindustrie	Gevaarlijke stoffen en stof	http://www.modintarbocatalogus.nl/textieltapijt/
Arbocatalogus taxivervoer	Arbocatalogus	Taxibranchen	Niet aangegeven	https://www.sociaalfondstaxi.nl/gezond-aan-het-stuur/arbocatalogus
Arbocatalogus technische groothandel	Arbocatalogus	Technische groothandel	Dieselmotoremissies	https://www.arbocatalogus-tg.nl/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus tentoonstellingsbedrijven	Arbocatalogus	Tentoonstellingsbedrijven	Houtstof, vluchtige organische stoffen	http://www.arbocatalogus-ttb.nl/
Arbocatalogus thermoplasten	Arbocatalogus	Thermoplastenverwerkende bedrijven	Vluchtige organische stoffen	http://nrk-thermoplasten.mijnarbocatalogus.nl/
Arbocatalogus thuiszorg	Arbocatalogus	Thuiszorg	Biologische agentia, cytostatica, andere gevaarlijke stoffen	http://www.arbocatalogusvvt.nl/
Arbo meetkoffer timmerindustrie	Veilige werkwijze	Timmer industrie	Dieselmotoremissie, houtstof, oplosmiddelen, pesticiden	http://www.timmerslimmer.nl/index.cfm?pid=240
Arbocatalogus toeleveranciers glastuinbouw	Arbocatalogus	Toeleveranciers glastuinbouw	Asbest, brandstoffen, dieselmotoremissies, oplosmiddelen, PVC-lijm, verf	http://www.avagarbocatalogus.nl/
Arbocatalogus transport en logistiek	Arbocatalogus	Transport en logistiek	gevaarlijke stoffen	https://www.stlwerkt.nl/doen/arbocatalogus-en-oplossingenboek/autotransport
Arbocatalogus tuinbouwprojecten	Arbocatalogus	Tuinbouwprojecten	PVC-lijmen, lasrook, oplosmiddelen	http://www.avagarbocatalogus.nl/arbocatalogus.html
Arbocatalogus tuincentra	Arbocatalogus	Tuincentra	Biologische agentia	https://www.fnv.nl/site/alle-sectoren/sectoren/fnv-handel/tuincentra/876330/Arbocatalogus-tuincentra.pdf
Arbocatalogus tuinzaadbedrijven	Arbocatalogus	Tuinzaad bedrijven	Pesticiden	https://agroarbo.nl/sector/tuinzaadbedrijven/
Arbocatalogus uitgeverijen	Arbocatalogus	Uitgeverijen	Niet aangegeven	http://www.uitgeverijbedrijf.nl/gezonduitgeven/arbocat/Pages/default.aspx#.WpPLnoWcFzM
Arbocatalogus voor de uitvaartzorg	Arbocatalogus	Uitvaartzorg	Cytostatica, formaline	http://nardus.eu/wp-content/uploads/2013/05/Arbocatalogus-voor-de-uitvaartzorg-2010-02-19-34p-printvriendelijk.pdf
Arbocatalogus uitzendbranche	Arbocatalogus	Uitzendbranche	Niet aangegeven	https://www.arboflexbranche.nl/nl/arbocatalogus/arbocatalogus-aan-de-slag

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus van de universitaire medische centra	Arbocatalogus	Universitaire medische centra	Cytostatica, dieselmotoremissies, geneesmiddelen, inhalatieanesthetica, oplosmiddelen, pesticiden	http://www.dokterhoe.nl/
Arbocatalogus Universiteiten	Arbocatalogus	Universiteiten	CMR stoffen, nanomaterialen, meerdere	http://www.vsnv.nl/arbocatalogus.html
Arbocatalogus Varkenshouderij	Arbocatalogus	Varkenshouderij	Niet aangegeven	https://agroarbo.nl/sector/varkenshouderij/
Arboconvenant verf dat lossen we op	Veilige werkwijze	verf- en drukinkt industrie	Dieselmotoremissies, oplosmiddelen, pesticiden	http://www.datlossenweop.nl/
Arbocatalogus voor de verf- en drukinktindustrie	Arbocatalogus	verf- en drukinkt industrie	Meerdere	http://www.vvfv.deararbocatalogus.nl/
Arbocatalogus VVT	Arbocatalogus	verpleeg-, verzorgingshuizen en thuiszorg	Cytostatica, onderhoudsmiddelen, schoonmaakmiddelen	http://www.arbocatalogusvvt.nl/arbocatalogus
Arbocatalogus verticaal transport	Arbocatalogus	Verticaal transport	Niet aangegeven	https://www.verticaaltransport.nl/documents/handige-informatie/arbocatalogus.xml?lang=nl
Arbocatalogus verzekeringen	Arbocatalogus	Verzekeringen	Niet aangegeven	https://gezondverbond.nl/
Arbocatalogus Vis (groothandel)	Arbocatalogus	Vis (groothandel)	Niet aangegeven	http://arbocatalogus.com/visbranche
Arbocatalogus Visdetailhandel	Arbocatalogus	Visdetailhandel	Niet aangegeven	http://www.visspecialisten.nl/
Arbocatalogus visverwerking	Arbocatalogus	Visverwerking	Niet aangegeven	http://arbocatalogus.com/catalogus/visverwerking-8
Arbocatalogus vlakglas	Arbocatalogus	Vlakglas	Lood, vluchtige oplosmiddelen, zwaveldioxide	http://www.arbocatalogus-vlakglas.nl/

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus vleesindustrie	Arbocatalogus	Vleesindustrie	Biologische agentia, aroma's, kruiden(mixen), koelstoffen, accuzuren en -gassen, schoonmaakmiddelen, kooldioxide, koolmonoxide, chemische hulpmiddelen en lasrook	http://www.vleeswerkt.nl/116359237/Dossier? dossierid=2752512&eerstesubdossierid=2752512&title=Arbo+en+Re-integratie&hoofddossierid=557058&css=color2/
Arbocatalogus Vleeswaren	Arbocatalogus	Vleeswaren	Biologische agentia, aroma's, kruiden(mixen), koelstoffen, accuzuren en -gassen, schoonmaakmiddelen, kooldioxide, koolmonoxide, chemische hulpmiddelen en lasrook	http://www.vleeswarenwerkt.nl/116359214/Dossier? dossierid=35061762&eerstesubdossierid=35061762&title=Arbo+en+Re-integratie&hoofddossierid=16908288&css=color2/
Arbocatalogus van het voetverzorgingsbedrijf	Arbocatalogus	voetverzorging	alcohol	https://www.cvae.nl/pedicure/branche-kwaliteit/arbocatalogus/arbocatalogus
Arbocatalogus VVV Nederland	Arbocatalogus	VVV Nederland	Niet aangegeven	http://www.arbocatalogus.com/catalogus/functie-hoofd-informatie-40
Risicopreventieprotocol biologische agentia	Veilige werkwijze	Wasserij- en textielreinigingsbranche	Biologische agentia	http://www.raltex.nl/cms/files/2017-02/arbo-risicopreventieprotocol-biologische-agentia.pdf
Risicopreventieprotocol cytostatica	Veilige werkwijze	Wasserij- en textielreinigingsbranche	Cytostatica	http://www.raltex.nl/arbo

Veilige werkwijzen	Type	Branche	Stofgroep	Link
Arbocatalogus textielverzorging, linnenverhuur- en wasserijbedrijven	Arbocatalogus	Wasserij- en textielreinigingsbranche	Meerdere	http://www.raltex.nl/cms/files/2017-01/2012-arbocatalogus-linnen-en-wasserijbedrijven-lr.pdf
Arbocatalogus textielreinigingsbedrijven	Arbocatalogus	Wasserij- en textielreinigingsbranche	Meerdere	http://www.raltex.nl/cms/files/2017-01/2012-arbocatalogus-textielreinigingsbedrijven-lr.pdf
Arbocatalogus waterbouw	Arbocatalogus	Waterbouw	Bijtende stoffen (accuzuur), brandstoffen, fijnstof-/kwartsstof, gassen, koelwatertoevoegingen , opgebaggerde explosieven en oorlogstuig, oplosmiddelen, radioactieve stoffen, reinigingsmiddelen, ontvetters, smeeroliën en vetten, springstoffen, explosieven en andere ontplofbare stoffen, vergiftigde stoffen, verven	http://arbocataloguswaterbouw.nl/p/doku.php
Arbocatalogus waterschappen	Arbocatalogus	Waterschappen	Biologische agentia	http://hrm.aenowaterschappen.nl/nl/thema/Introduce-arbocatalogi
Arbocatalogus welzijn en maatschappelijke dienstverlening	Arbocatalogus	Welzijn en maatschappelijke dienstverlening	Biologische agentia	https://www.fcb.nl/arbocatalogus/sociaal-werk
Arbocatalogus Werken onder overdruk	Arbocatalogus	Werken onder overdruk	Niet aangegeven	https://www.arbocataloguswo.nl/nl/
Arbocatalogus wonen	Arbocatalogus	Wonen	Lijmen, lakken, voegenkit, olie, was,	https://wonen.werkindewinkel.nl/arbocatalogus

Veilige werkwijzen	Type	Branche	Stofgroep	Link
			houtstof, oplosmiddelen	
Arbocatalogus productie zacht PVC	Arbocatalogus	zacht pvc	vluchtige organische stoffen, weekmakers	http://nrk-pvc.mijnarbocatalogus.nl/
Arbocatalogus Zeescheepvaart	Arbocatalogus	Zeescheepvaart	Niet aangegeven	http://www.arbocatalogus.com/catalogus/zeescheepvaart-7
Arbocatalogus algemene en categorale ziekenhuizen	Arbocatalogus	Ziekenhuizen, algemene en categorale	Chirurgische rook, cytostatica, dieselmotoremissies, geneesmiddelen, geneesmiddelen (vernevelen), inhalatieanesthetica, narcosegassen, oplosmiddelen, pesticiden, zwembad chemicaliën	https://www.betermetarbo.nl/
Arbocatalogus zoetwarenindustrie	Arbocatalogus	Zoetwarenindustrie	stoffen, meelstof	http://arbo.zoetwaren.nl/arbocatalogus
Arbocatalogus voor de zuivelindustrie	Arbocatalogus	Zuivelindustrie	Reinigingsmiddelen	http://zuivel.dearbocatalogus.nl/
Veiligheidsinitiatieven (Safe Use of Mixtures Information SUMIs)	Veilige werkwijze	Schoonmaken	Schoonmaakmiddelen	https://www.nvz.nl/professional/veiligheidsinitiatieven/

7.2 Safe working procedures / Good practices in Germany.

Table B: EGUs and VSKs in Germany. EGU are part of DGUV-Information script series (No. 213-7xx). An updated list is available at IFA-Homepage and TRGS 420.

Ordinance / Guideline	Title	Link
	Construction and ancillary construction trades	
213-710 DGUV-Information (EGU)	Verwendung von Trichlorethen bei der Extraktion von Bitumen aus Asphalt nach dem Waschtrommelverfahren	https://publikationen.dguv.de/widgets/pdf/download/article/549
213-720 DGUV-Information (EGU)	Einsatz von Straßenfräsen mit Absauganlagen - Fräsen von Asphaltbelägen	https://publikationen.dguv.de/widgets/pdf/download/article/558
213-736 DGUV-Information (EGU)	Fräsen von Asphaltbelägen mit BOMAG-Straßenfräsen mit Elektroabscheider	https://publikationen.dguv.de/regelwerk/dguv-informationen/4235/empfehlungen-gefaehrderungsermittlung-der-unfallversicherungstraeger-egu-nach
	Manufacture of chemicals, pharmaceuticals, rubber and plastic products	
213-729 DGUV-Information (EGU)	Beschriften von Kunststoffen mit Laser	https://publikationen.dguv.de/widgets/pdf/download/article/2965
213-728 DGUV-Information (EGU)	Verarbeitung thermoplastischer Kunststoffe in Spritzgießmaschinen	https://publikationen.dguv.de/widgets/pdf/download/article/3008

Ordinance / Guideline	Title	
	Manufacture of computer, electronic and optical products; manufacture of electrical equipment	
213-725 DGUV-Information (EGU) also validated as VSK	Manuelles Kolbenlöten mit bleifreien Lotlegierungen in der Elektro- und Elektronikindustrie	https://publikationen.dguv.de/widgets/pdf/download/article/817
213-714 DGUV-Information (EGU) also validated as VSK	Manuelles Kolbenlöten mit bleihaltigen Lotlegierungen in der Elektro- und Elektronikindustrie	https://publikationen.dguv.de/widgets/pdf/download/article/553
213-731 DGUV-Information (EGU)	Vergießen elektronischer Bauteile mit Vergussmassen, die Methylendiphenyldiisocyanat (MDI) enthalten	https://publikationen.dguv.de/widgets/pdf/download/article/553
Expositionsbeschreibung der BG ETEM also validated as VSK	Vergießen elektronischer Bauteile mit Vergussmassen, die Methylendiphenyldiisocyanat (MDI) enthalten	Empfehlungen Gefährdungsermittlung der Unfallversicherungsträger (EGU) nach der Gefahrstoffverordnung - Vergießen elektronischer Bauteile mit Vergussmassen, die Methylendiphenyldiisocyanat (MDI) enthalten DGUV Publikationen
	Metal production, metal working and metal processing	
213-716 DGUV-Information (EGU)	Galvanotechnik und Eloxieren	https://publikationen.dguv.de/widgets/pdf/download/article/553

Ordinance / Guideline	Title	
213-723 DGUV-Information (EGU)	Minimalmengenschmierung bei der Metallzerspanung	https://publikationen.dguv.de/regelwerk/dguv-informationen/815/bg/bgja-empfehlungen-fuer-die-gefaehrdungsbeurteilung-nach-der-gefahrstoffverordnung-minimalmengensch
213-724 DGUV-Information (EGU)	Hartmetallarbeitsplätze	https://publikationen.dguv.de/widgets/pdf/download/article/816
	Repair shops, repair and installation of machinery and equipment	
213-707 DGUV-Information (EGU)	Instandhaltungsarbeiten an Personenkraftwagen in Werkstätten	https://publikationen.dguv.de/widgets/pdf/download/article/3714
213-727 DGUV-Information (EGU)	Hauptuntersuchungen und Sicherheitsprüfungen von Kfz in Prüfstellen amtlich anerkannter Überwachungsinstitutionen	https://publikationen.dguv.de/widgets/pdf/download/article/2953
	Wood processing	
213-715 DGUV-Information (EGU)	Verwendung von reaktiven PUR-Schmelzklebstoffen bei der Verarbeitung von Holz, Papier und Leder	https://publikationen.dguv.de/widgets/pdf/download/article/812
VSK according to TRGS 420	Anwendung des Abbeizverfahrens für das Entfernen bleihaltiger Beschichtungen auf Holz und die Vorbereitung für die anschließende Neubeschichtung im Rahmen von	http://www.risan.cc/vsk_abbeizverfahren.html

Ordinance / Guideline	Title	
	Sanierungsmaßnahmen auf Baustellen	
	Recycling	
1037 BG/BIA-Empfehlungen (EGU)	Manuelle Zerlegung von Bildschirm- und anderen Elektrogeräten	https://www.dguv.de/medien/ifa/de/pra/bg_bgia_empfehlungen/1037-manuelle_zerlegung_von_bildschirm-und_anderen_elektrogeraeten.pdf
Handlungsanleitung zur guten Arbeitspraxis also validated as VSK	Kunststoffverwertung – Tätigkeiten mit Gefahrstoffen und biologischen Arbeitsstoffen bei der werkstofflichen Verwertung von Kunststoffen	https://www.baua.de/DE/Angebote/Publikationen/Kooperation/Kunststoffverwertung.pdf?__blob=publicationFile&v=6
Handlungsanleitung zur guten Arbeitspraxis also validated as VSK	Papierrecycling - Tätigkeiten mit Gefahrstoffen und biologischen Arbeitsstoffen bei der Aufbereitung von Papierabfällen	https://www.baua.de/DE/Angebote/Publikationen/Kooperation/Papierrecycling.html Wegen DME (rein oder raus aus der Liste?)
Handlungsanleitung zur guten Arbeitspraxis also validated as VSK	Kraftfahrzeugrecycling - Tätigkeiten mit Gefahrstoffen beim Recycling von Kraftfahrzeugen	http://www.baua.de/dok/2369450
	Dental laboratories	
213-730 DGUV-Information (EGU) also validated as VSK	Mineralische Stäube beim Ein-, Ausbetten und Strahlen in Dentallaboratorien	https://publikationen.dguv.de/widgets/pdf/download/article/3065

Ordinance / Guideline	Title	
	Healthcare	
1039 BG/BIA-Empfehlungen (EGU)	Flächendesinfektionen in Krankenhausstationen	https://www.dguv.de/medien/ifa/de/prg/bg_bgia_empfehlungen/bg_bia_1039.pdf
1038 BG/BIA-Empfehlungen (EGU)	Desinfektion von Endoskopen und anderen Instrumenten	https://www.dguv.de/medien/ifa/de/prg/bg_bgia_empfehlungen/bg_bia_1038.pdf
TRGS 513 VSK according to TRGS 420	Verfahrens- und stoffspezifische Kriterien (VSK) bei der Anwendung von Niedertemperatur-Dampf-Formaldehyd-(NTDF)-Verfahren zur Sterilisation im Gesundheitswesen	https://www.baua.de/DE/Angebote/Rechtstexte-und-Technische-Regeln/Regelwerk/TRGS/pdf/TRGS-513.pdf?__blob=publicationFile&v=4 http://www.risan.cc/vsk_abbeizverfahren.html
	Air traffic	
213-735 DGUV-Information (EGU)	Betanken von Strahlflugzeugen in der zivilen Luftfahrt mit Kerosin (Jet A-1)	https://publikationen.dguv.de/regelwerk/dguv-informationen/3738/empfehlungen-gefaehrderungsermittlung-der-unfallversicherungstraeger-egu-nach-der-gefahrstoffverordnung