



Stoffenmanager®

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European Seminar Chemical Risk Assessment - REACH & CLP, Aveiro, Portugal,
27-28 November 2017

Erika Ustailieva



- 15 years experience in Environmental Compliance, Waste and Chemicals Management, OSH and Sustainability
- 30 + countries around the world



- MSc Environmental Engineering, Environmental Science and International Environmental Policy



- Publications and references



Koen Verbist



- 10 + years experience in Occupational Hygiene, Exposure and Risk assessment, Exposure Modelling




- MSc Biomedical Health Sciences, Occupational & Environmental Hygiene



- Publications and references



Cosanta BV

- ▶ Private limited company, established by TNO & Arbo Unie
- ▶ The legal owner and developer of the smart chemical management platform  Stoffenmanager®
- ▶ Software, consultancy, training and research
- ▶ Social enterprise – freemium business model
- ▶ Co-development and partnerships

Our core team



www.cosanta.nl

www.stoffenmanager.nl

[OSH-Wiki Stoffenmanager](#)

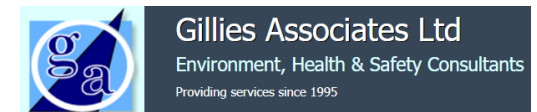
 **Stoffenmanager**[®]

Our partners



IT

Training & Conculancy



Today's agenda

- ▶ What is Stoffenmanager[®]?
- ▶ Stoffenmanager[®] in the legal framework
- ▶ Development and maintenance of a platform
- ▶ Sustainable Business Model
- ▶ Company and country implementation
- ▶ Conclusions



Welcome!

Welcome **STMNLPremadm@cosanta.nl**

Last logged in: 16-11-2017

Select a menu item to start working with Stoffenmanager®.

Main menu

Create products

Risk assessment inhalation

Log out

What is Stoffenmanager®?

Stoffenmanager® helps organisations to comply with the regulatory and broader ethical and sustainability requirements. Stoffenmanager® is an online system to identify the chemical hazards, control the exposure at workplaces and communicate in an understandable, transparent manner to managers, employees and external stakeholders.

- Validated model based on more than 6000 measurements (scientific papers).
- Internationally accepted and included in the EU chemical legislation ([REACH R.14 Guidance](#))
- Reliability guaranteed by an independent [International Scientific Advisory Board](#).
- Sustainable business model providing free Basic and fee-based Premium version ([OSH WIKI](#)).
- Multilingualism.
- Technical and expert support (implementation and training) for all clients.
- More than 31 000 users, 50 new users per week.



Questions? Contact us at
info@cosanta.nl

Calendar

21 Smart chemicals management with Stoffenmanager®

This complimentary webinar has been arranged as an interactive, virtual tour through the Stoffenmanager® tool. It is an opportunity for you to experience first-hand how it could be

News

14 Multiple CMR lists and other lists...
14-11-2017

13 Stoffenmanager® SHARE: WIC's and SDS's now available to ever...
13-11-2017

13 Components: it is now possible to enter multiple limit value...
13-11-2017

What is Premium?



Unlimited products & components

Stoffenmanager® History

2003 Demo version: control banding digital tool for SMEs

- Commissioned by Dutch Ministry of Social Affairs and Employment
- Consortium TNO and Arbo Unie, BECO/EY (IT)

2003- 2011 Versions 1.0 to 4.5: RA modules

- Skin, ATEX, storage modules
- Quantitative Risk Assessment
- Validation and acceptance by the Dutch labour inspectorate
- REACH , CLP and Nano modules

2011 Versions 4.5 – 5.5: Internationalisation and grow

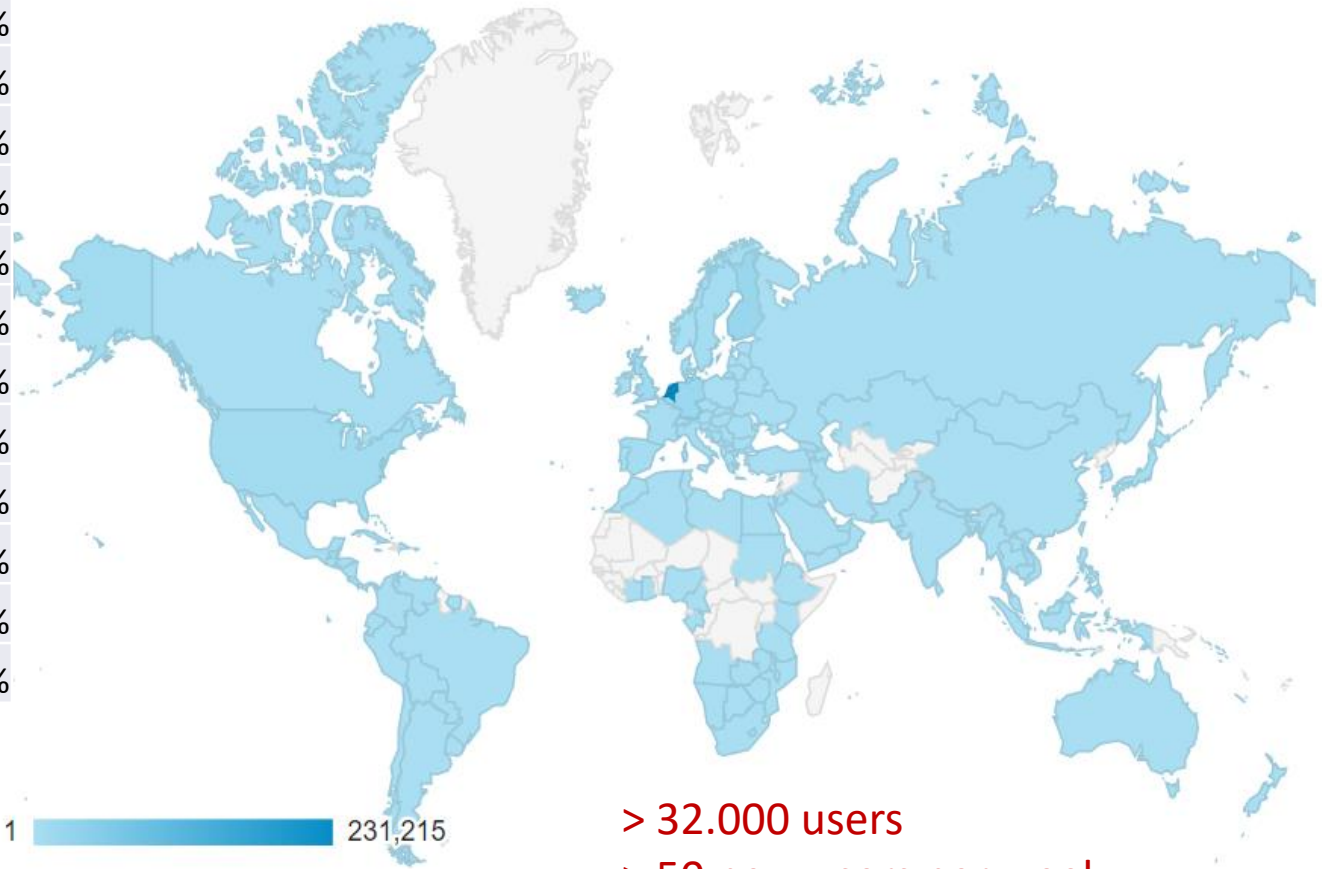
- Further validated and developed
- Stoffenmanager® registered trade mark
- Internationally accepted and recommended tool (REACH Guidance R.14, Dutch Labour Inspectorate, FIOH, IFA, Swedish legislation)
- NL, EN, FI, DE

2014 Versions 5.5 - 7: Continuous development platform for smart chemical management

- **Cosanta owner and developer of Stoffenmanager®**
- Continuous development and validation of the tool (E-team & other studies)
- Continuous internationalisation: NL, EN, FI, DE, SE, PL , ES, FR, **DA, IT and MAN in 2018**

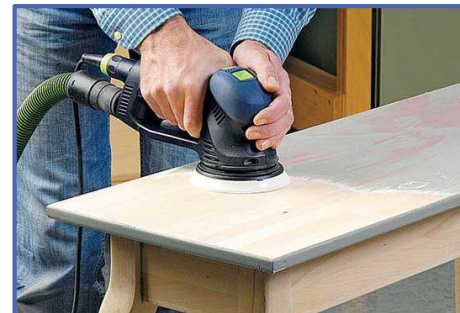
Stoffenmanager® users world-wide

1	Netherlands	58%
2	Germany	17%
3	Finland	6%
4	Belgium	4%
5	UK	3%
6	USA	3%
7	Sweden	3%
8	Portugal	0,7%
9	Italy	0,6%
10	Spain	0,6%
11	Poland	0,4%
12	France	0,3%
13	Denmark	0,3%

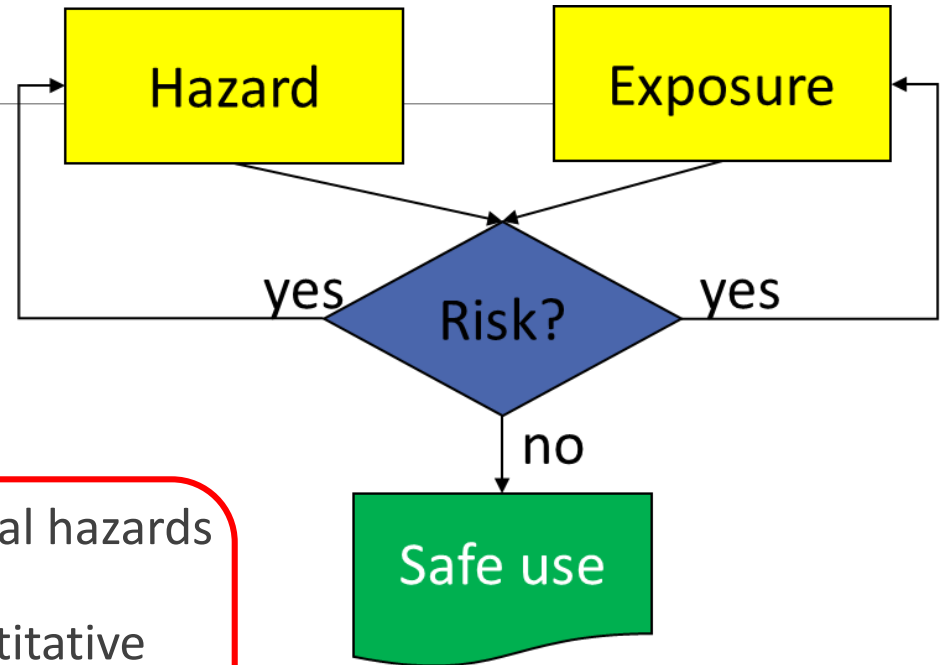


Country City Continent Sub Continent

Hazardous Substances at working places



Chemical Risk Assessment in a nutshell



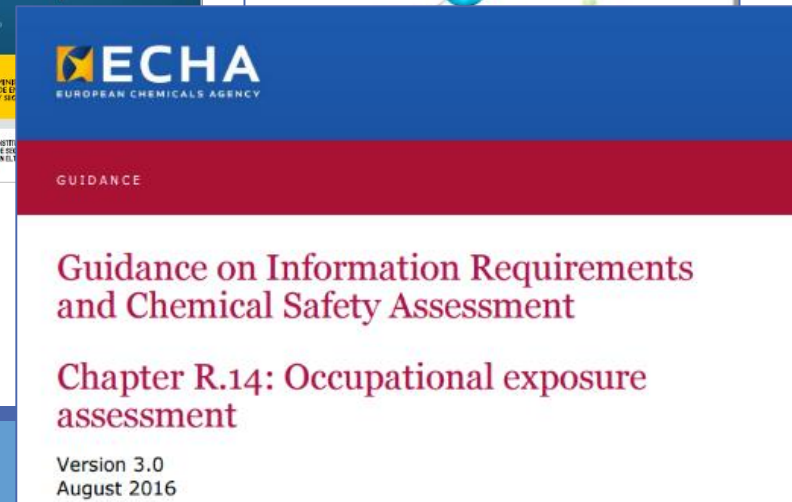
4 Steps approach (CAD)

1. Determine presence of chemical hazards
2. Assess the risks:
Prioritization, afterwards quantitative exposure estimate or measurements
3. Apply preventive and control measures
4. Communicate, instruct and train

Add 2: Using models instead of measurements. Cost savings!

Compliance with the EU Legislation

- ▶ Directive 98/24/EC – CAD
- ▶ Directive 2004/37/EC - Carcinogens or mutagens at work
- ▶ Regulation (EC) 1907/2006 – REACH
- ▶ Regulation (EC) 1272/2008 – CLP



 = Premium

MANAGEMENT 


USER MANAGEMENT
IMPORT PRODUCTS
MANAGE PRODUCT SETS
LOCATION MANAGEMENT



STOFFENMANAGER® BUILDING BLOCKS



BASIC INFORMATION

PRODUCTS
COMPONENTS
SUPPLIERS
WORKPLACES
PROCESSES
BULK ASSIGNING 

RISK ASSESSMENT

CONTROL BANDING
QUANTITATIVE ASSESSMENT
REACH 
ATEX (DUTCH) 
PGS (DUTCH) 

CONTROL

CONTROL MEASURES
ACTION PLANS
NOTIFICATIONS 

OUTPUT

PRODUCT REGISTER
CMR-REGISTER
SDS DATABASE

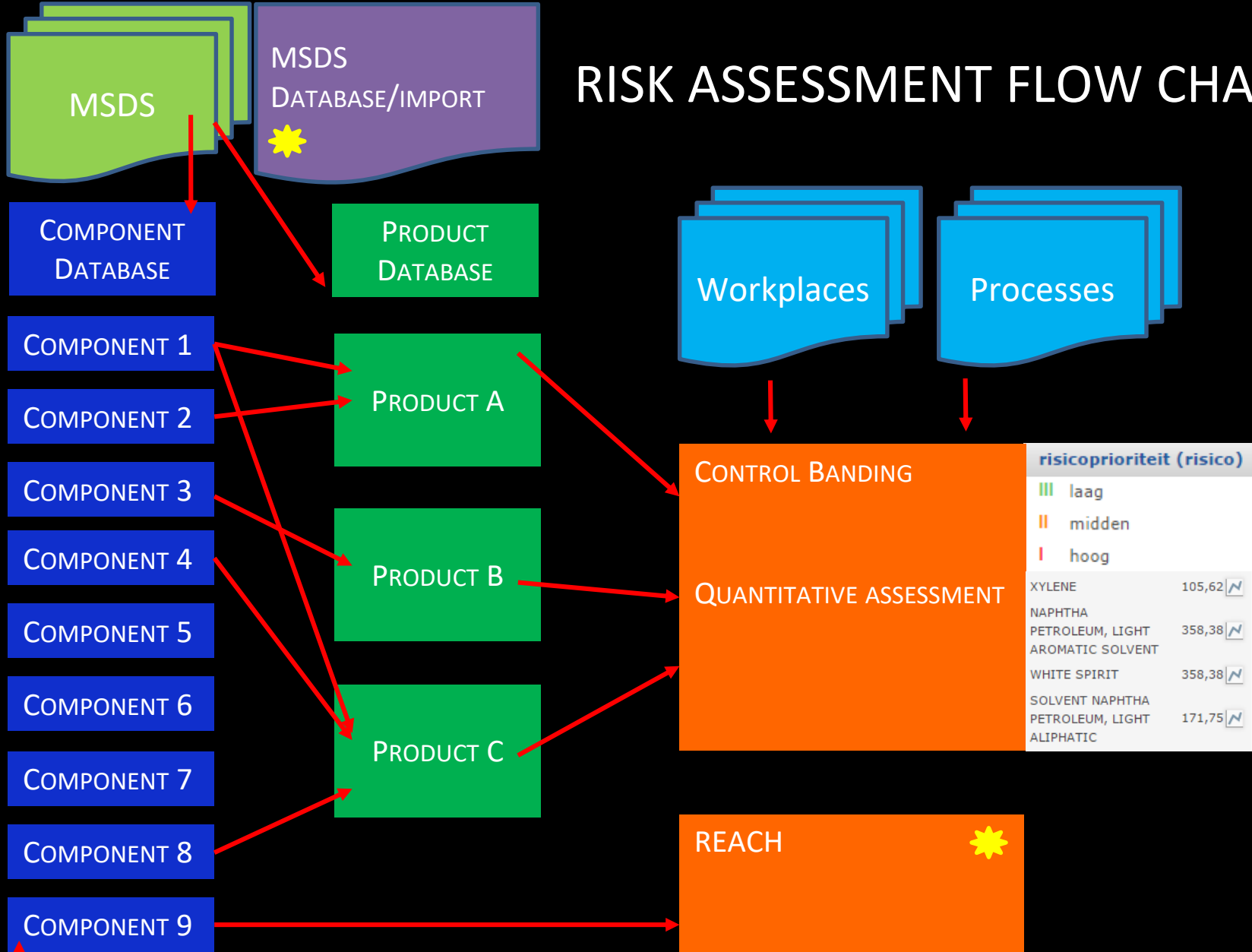


OUTPUT RISK COMMUNICATION

RISK ASSESSMENT REPORTS
RISK WORKPLACE INSTRUCTION CARDS (WIC)
STOFFENMANAGER® SHARE

 Excel 
 XML file

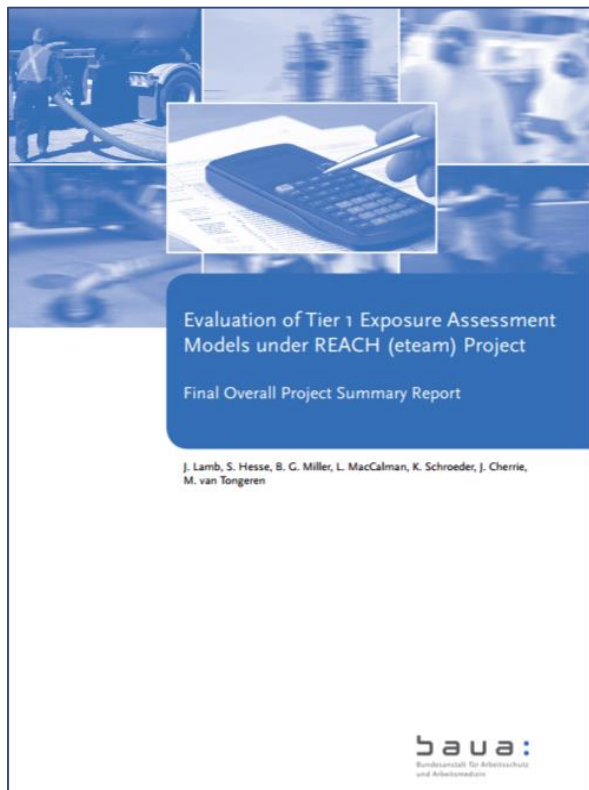
RISK ASSESSMENT FLOW CHART



External Databases (German GESTIS substances database / Dutch limit values lists)

= Premium

Validation and Reliability. Scientific data:



Original Research Article

Sensitivity Analysis, Dominant Factors, and Robustness of the ECETOC TRA v3, Stoffenmanager 4.5, and ART 1.5 Occupational Exposure Models

R. A. Riedmann, B. Gasic, D. Vernez

First published: 23 January 2015 [Full publication history](#)

DOI: 10.1111/risa.12286 [View/save citation](#)

Comparison and Evaluation of Multiple Users' Usage of the Exposure and Risk Tool: Stoffenmanager 5.1

Hanna E. Landberg ✉, Peter Berg, Lennart Andersson, Ulf Bergendorf, Jan-Eric Karlsson, Håkan Westberg, Håkan Tinnerberg

The Annals of Occupational Hygiene, Volume 59, Issue 7, 1 August 2015
Pages 821–835, <https://doi.org/10.1093/annhyg/mev027>

Published: 09 April 2015 [Article history](#) ▼

Accuracy Evaluation of Three Modelling Tools for Occupational Exposure Assessment

Andrea Spinazzè, Filippo Lunghini, Davide Campagnolo, Sabrina Rovelli, Monica Locatelli, Andrea Cattaneo, Domenico M. Cavallo

Annals of Work Exposures and Health, Volume 61, Issue 3, 1 April 2017,
Pages 284–298, <https://doi.org/10.1093/annweh/wxx004>

Published: 07 February 2017 [Article history](#) ▼

A Study of the Validity of Two Exposure Assessment Tools: Stoffenmanager and the Advanced REACH Tool

Hanna E. Landberg, Anna Axmon, Håkan Westberg, Håkan Tinnerberg

Annals of Work Exposures and Health, Volume 61, Issue 5, 1 June 2017,
Pages 575–588, <https://doi.org/10.1093/annweh/wxx008>

Published: 11 March 2017 [Article history](#) ▼

Validation of Lower Tier Exposure Tools Used for REACH: Comparison of Tools Estimates With Available Exposure Measurements

Martie van Tongeren ✉, Judith Lamb, John W Cherrie, Laura MacCalman, Ioannis Basinas, Susanne Hesse

Annals of Work Exposures and Health, Volume 61, Issue 8, 1 October 2017, Pages 921–938, <https://doi.org/10.1093/annweh/wxx056>

Published: 18 July 2017 [Article history](#) ▼



[View issue TOC](#)
Volume 35, Issue 2
February 2015
Pages 211–225

Stoffenmanager® International Scientific Advisory Board

- ▶ AEHI, Spain
- ▶ AUVA, Austria
- ▶ CIOP-PIB, Poland
- ▶ FIOH, Finland
- ▶ IFA, Germany
- ▶ NRCWE, Denmark
- ▶ RAHH, Italy
- ▶ Dalarna and Lund Universities, Sweden
- ▶ National Taiwan University, Taiwan



You are here: Risk assessment >> Risk Assessment Inhalation >> Workplace instruction card

Workplace instruction card

+ explanation

Save as document


Workplace instruction card: NIVA course - Application equipment cleaning
Product: NIVA course - AD690 Degreaser Solvent Based

Location / department: Cosanta Holding
Process: NIVA course - cleaning spray gun enclosed gun washing
Workplace: NIVA course - mixing and spray gun cleaning room

Danger properties

Signal term: Danger

H225: Highly flammable liquid and vapour
 H304: May be fatal if swallowed and enters airways
 H336: May cause drowsiness or dizziness
 H411: Toxic to aquatic life with long lasting effects



Personal protection

 Face shield with respiratory protection
 Nitrile rubber
 Working clothes

Follow the work instruction

Control measures: -
Protection worker: -
Room ventilation: General ventilation (mechanical)
Respiratory protection: -
Dilution with water: 100% product, 0% water
General: Clean the working room daily. Report malfunctions or defects to your supervisor.

The work instruction applies for the situation below Report abnormalities to your supervisor

Task: Use where only small amounts of product may be released
Duration: 120 minutes per day
Frequency: 4-5 days a week
Distance to task: Inside the breathing zone
Number of workers: One worker
Period of evaporation, drying or curing after task: -
Room volume: < 100 m³

First aid

Risk communication to the workforce:

Stoffenmanager[®] Workplace Instruction Cards (WIC)

Risk WIC or a Safe Use!



Stoffenmanager[®] SHARE

Log in

To get access to Stoffenmanager® SHARE you need to enter the password you have received from your organisation. If you do not know the password, please contact your Stoffenmanager® administrator in your organisation.

Password

Log in



Product WIC

Risk WIC

SDS



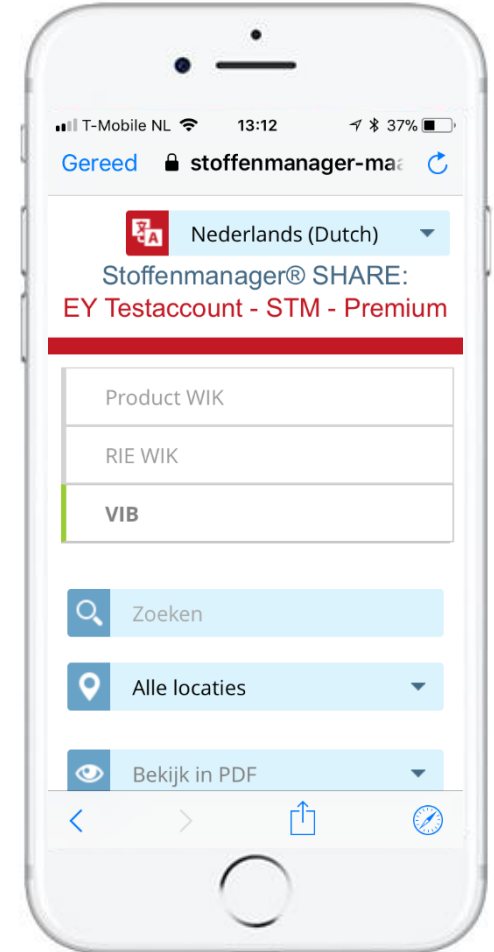
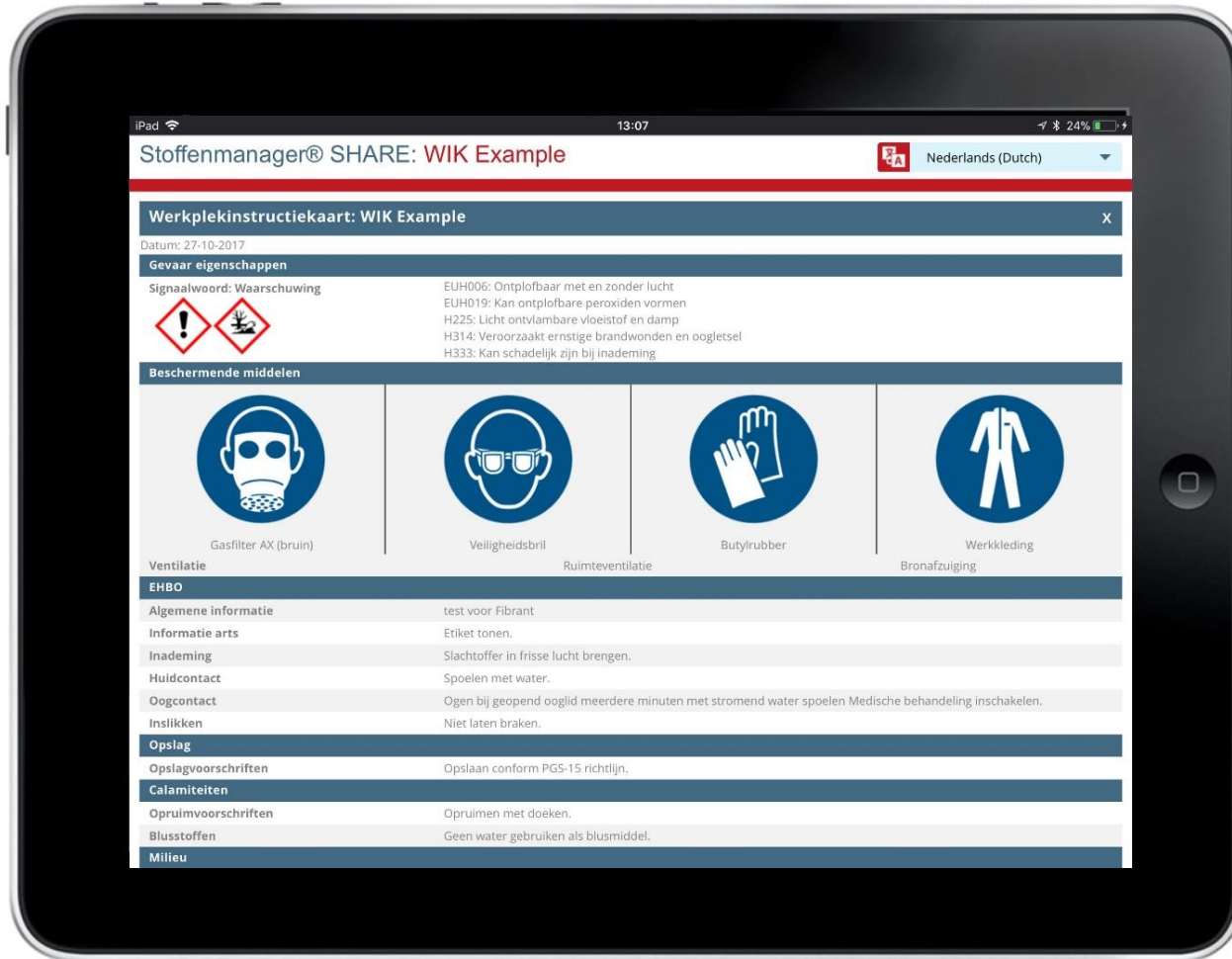
   Cosanta 

 View in HTML 

_Waterige oplossing	_web3	Addcomp voorbeel d	Afwegen van poed er in zuurkast	bugid#4722 (cleane d up)	Cleaning
_Waterig product	_far field (laag vluchtig)	Coating A	Enzympro	4AQUACLEAN MZI 25	Formaldehyde solution...
demo	demo 15016	demo 15016-2	demo A	demo boren steen	demo boren steen - kopie 1
Wattyifrg Agricultural P...	Enzympro	Benzeen	inhaleerbaar stof	Stone	Stone
Demo D	demo ERBC	Demo F	demo140316	demo201015	DNA isolatie
_CMR_R62	substance A cleaning	_H351	Coating A	demo201015	Monochloorazijnzuur
DNA isolatie	Example	Example	Example - Risk assess ment Styrene	Example risk assessm ent	helpdesk AV
n-hexaan	Benzeen	Example	Styreen	n-hexaan	A dust Prod

Items per page: 24 of 63

Stoffenmanager®



- Home
- Dashboard**
- Log
- Management
- Basic information
- Risk assessment
- Control
- Reports

You are here: Dashboard

Dashboard

Location:

Cosanta Holding, Plant B, Facilitat bedrij...

Date: 30-10-2017

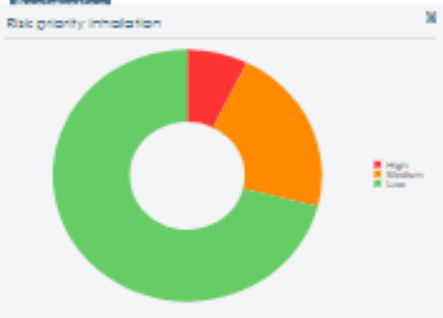
Company profile

Cosanta

Download manual

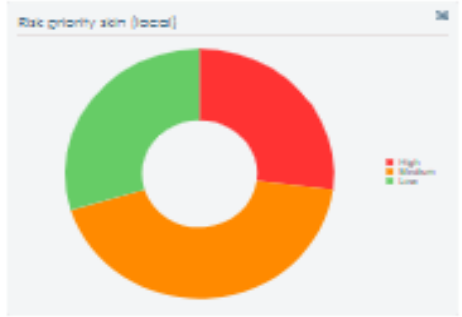
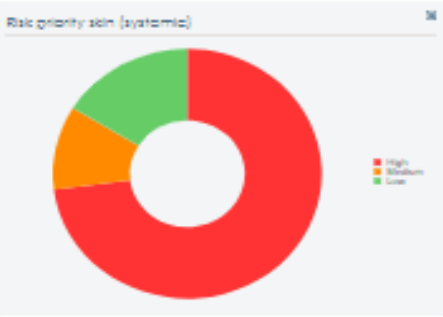
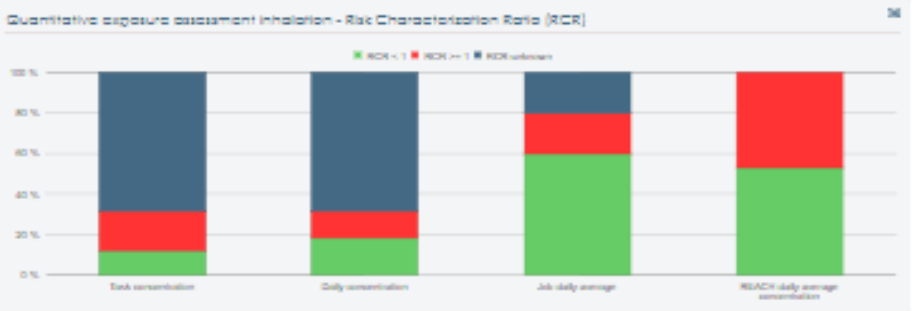
Quick navigation

- Component
- Products
- Inhalation risk assessment
- Dermal risk assessment
- Risk assessment REACH
- Job daily average
- Product workplace instruction cards



General information

Number of components	300
Number of components (CMR)	59
Number of products	554
Number of products (CMR)	148
Percentage assessed products	26,5%
Percentage assessed CMR products	31,1%
# expired risk assessments (inhalation)	293
# expired risk assessments (skin)	9
# expired risk assessments (REACH)	6
# risk assessments inhalation	450
# risk assessments inhalation with CMR products	122
# risk assessments skin	37



Stoffenmanager® Management Dashboard


Key figures and risks graphically presented


Stoffenmanager[®] is more than just a RA tool

- ✓ **Platform: hosting** environment (dedicated servers) and SLA
- ✓ Information **security**
- ✓ **Updates** for keeping pace with Legal, IT & scientific developments
- ✓ **Upgrading** by implementation of new functionalities, developments for attractiveness, structure, usability
- ✓ **Testing:** testing, testing, etc. (68.640 options)
- ✓ **Multi language** for usability, supporting tools - **Translation Manager**
- ✓ **Statistics** for overview use
- ✓ **Partners** with expertise & experience, exchange with other data providers
- ✓ **Not possible** without a good **business plan (freemium model)**
- ✓ **Dedicated** organisation



Multi language supporting tools - Translation Manager

**Translation Manager**
Hallo Welt ciao mondo Halló heimur merhaba dünya Moi maailma
ملاعا لآ اب حرم hello world привет мир ناهج مآلس






[Home](#) [Translations](#) [Search](#) [Changes](#)  logout

Welcome to the Translation Manager

Welcome **English Translation**. What would you like to do today?

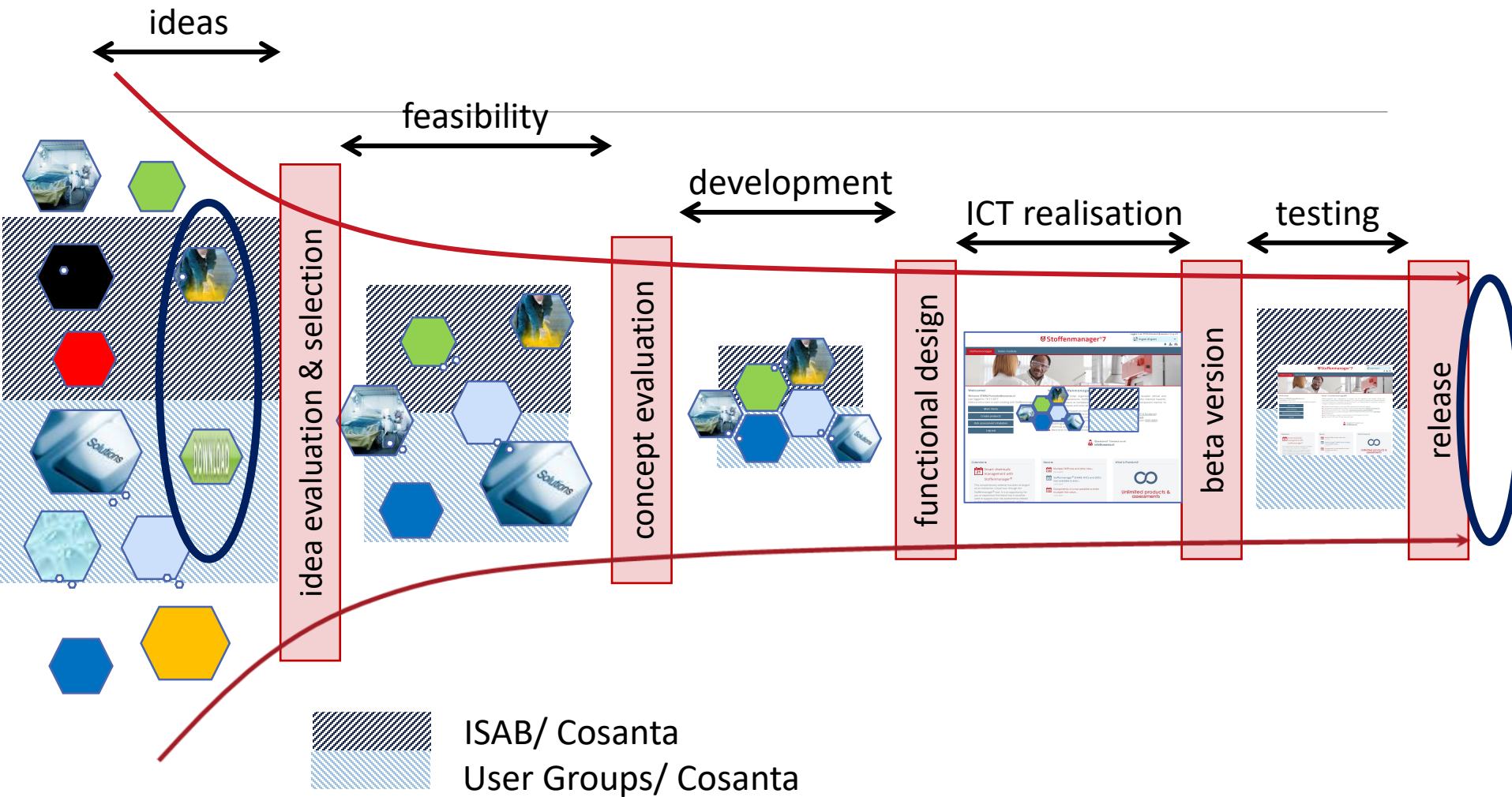
- [Search for translations](#)
- [View or edit translations](#)
- [View or edit missing translations](#)
- [View or edit changed translations](#)
- [View or edit missing translations since my last visit](#)
- [View or edit changed translations since my last visit](#)
- [Change my personal settings and preferences](#)

Latest changes

- 20-11-17 14:20  File 'CustomFields.ascx.resx' changed by Sebastiaan Dammann
- 20-11-17 14:20  File 'CustomPbms.ascx.resx' changed by Sebastiaan Dammann
- 20-11-17 14:20  File 'General.aspx.resx' changed by Sebastiaan Dammann
- 20-11-17 14:20  File 'GeneralCompanyProfile.ascx.resx' changed by Sebastiaan Dammann
- 20-11-17 14:20  File 'GeneralSettings.ascx.resx' changed by Sebastiaan Dammann

[View archive of changes »](#)

Development process



Our Business model - a guarantee for the long term sustainability of Stoffenmanager®

Free services

Fee based services



**Stoffenmanager®
Basic**



Helpdesk



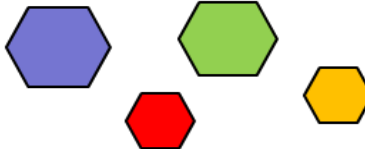
Translation



Newsletter



users



**Priority Helpdesk
24h**



Consultancy



**Account
management**

Stoffenmanager® Premium	
1. Stoffenmanager Premium	100
2. Stoffenmanager Premium	100
3. Stoffenmanager Premium	100
4. Stoffenmanager Premium	100
5. Stoffenmanager Premium	100
6. Stoffenmanager Premium	100
7. Stoffenmanager Premium	100
8. Stoffenmanager Premium	100
9. Stoffenmanager Premium	100
10. Stoffenmanager Premium	100
11. Stoffenmanager Premium	100
12. Stoffenmanager Premium	100
13. Stoffenmanager Premium	100
14. Stoffenmanager Premium	100
15. Stoffenmanager Premium	100
16. Stoffenmanager Premium	100
17. Stoffenmanager Premium	100
18. Stoffenmanager Premium	100
19. Stoffenmanager Premium	100
20. Stoffenmanager Premium	100

**Stoffenmanager®
Premium**



Trainings

✓ **ESCROW
insurance**

Stoffenmanager[®] Functionalities

Functionality	Basic	Premium
Identify, prioritise hazardous substances and/or estimate risk	✓	✓
Product, CMR Register & Risk Assessment Report	✓	✓
Workplace Instruction Cards (WIC) multilingual	✓	✓
SDS upload multilingual	✓	✓
Copy products and risk assessments	✓	✓
Templates workplace and processes	✓	✓
Location structure	✓	✓
Insert component data from GESTIS	✓	✓
Unlimited products & exposure estimations	✗	✓
Multiple Users	✗	✓
Management Dashboard	✗	✓
Filters & Export to Excel	✗	✓
XML Export and Import (incl. from & to DPD)	✗	✓
Version Management & Archive	✗	✓
Additional fields	✗	✓
Log & Notification	✗	✓



Acknowledgment of the sustainable business model



Home » OSH news » OSHwiki article in the...

OSH News

← Back to OSH news



13/10/2016

OSHWiki article in the spotlight: Smart chemicals management with Stoffenmanager®

Workers need to be aware of how to properly handle hazardous substances found in the workplace. This [OSHWiki article](#) features a leading platform to deal with the risks of hazardous workplace substances – Stoffenmanager®. Developed by

Cosanta B.V., this online tool has been developed for small, medium and large organisations in-line with current EU legislation and is currently available in more than 8 languages.

The article, written by Erika Ustailieva, Albert Hollander and Henri Heussen, explains what Stoffenmanager® does and

Reports » E-tools seminar 2016

Seminar reports

← Back to seminars

E-tools seminar 2016

On 21 and 22 September 2016, EU-OSHA hosted a seminar in Bilbao to discuss about OSH e-tools. The purpose of the seminar was mainly share experiences and information in the development, adaptation, use, promotion and maintenance of e-tools. It was also a good opportunity to facilitate networking in the topic and to stimulate the use of e-tools as part of the OSH repertoire for prevention.

Event Details

START DATE: 21/09/2016 - 02:00
END DATE: 22/09/2016 - 01:00

Related resources:

- Agenda.pdf (65.44 KB)
- Seminar summary .pdf (296.83 KB)
- 1. Stoffenmanager.pdf (1.84 MB)
- 2. INRS.pdf (3.16 MB)
- 3. INSH.T.pdf (1.39 MB)
- 4. AUVA.pdf (1.01 MB)
- 5. EC.pdf (151.97 KB)

Stoffenmanager[®] company implementation

Newsletters



User-community: feedback & development



Website www.stoffenmanager.nl



Social Media, LinkedIn group and Twitter



Account management



Trainings, webinars, conferences



Helpdesk and Manual



Stoffenmanager[®] Country Implementation



Scientific organization

- NDALA
- ISAB member
- In line with regulations and scientific developments



Authorities & Social partners

- NDA
- Acceptance and trust
- Awareness rising



Translators

- Contract
- Translation Manager training
- Language version
- Monthly translations
- New release translation (2x/y)



Testers

- Contract
- Testing
- Language version testing
- New release testing



Commercial partners

- NDA/Contract
- Train the trainer
- Marketing
- Sales Premium
- Consultancy
- Training

Take -home



- ▶ Stoffenmanager® is an online platform to identify the chemical hazards, control the exposure at workplaces and communicate in an understandable, transparent manner to managers, employees and external stakeholders
- ▶ 15 years on the market with 32 000 users around the globe
- ▶ Validated model, internationally accepted and included in the EU and national chemical legislations
- ▶ Multilingualism – 8 languages and more in the near future
- ▶ Technical and expert support (implementation and training)
- ▶ Stable organisation behind with a sustainable business model. Open to invest in international grow and assist countries in the implementation.

More information

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