

Curriculum vitae of Dr. K.H. den Haan

Name: Dr. Klaas Hendrik den Haan

Born: 14 April 1958 in Rotterdam

Status: Married, one son

Education:

Undergraduate: Chemistry, Rijks Universiteit Utrecht, November 1982
- Specialisations: Synthetic Organic Chemistry (first main topic)
Quantum Chemistry (second main topic)

Graduation: Chemistry, Rijks Universiteit Groningen, November 1986
- Specialisation: Inorganic Chemistry (Organometallic and Co-ordination Chemistry)
- Thesis Title: The Organometallic Chemistry of Yttrium.

Working experience:

Dr. Den Haan joined the "Koninklijke/Shell Laboratorium Amsterdam, Shell Research B.V." in December 1986 where he worked for five years as a polymer chemist in the field of epoxy resins. In these years two positions were held that focused on the synthesis of these resins and their applications in fibre reinforced composite materials.

In January 1992 dr. Den Haan joined the "Environmental Affairs Division" of "Shell Internationale Petroleum Maatschappij B.V.", where he held a position as "Environmental Adviser" in the Product Support Section. For this he received additional training in the fields of Ecotoxicology and Environmental Chemistry.

Dr. Den Haan has been involved in the environmental appraisal of Shell products. This also includes the preparation of the environmental related parts of the HEDSETs as required under the "EC Existing Substances Regulation" and "Classification and Labelling". As a consequence of this, he was heavily involved in the risk assessment processes of those Shell products that are prioritised under this regulation.

His prime interest considers the behaviour of substances in the environment, the environmental fate. Furthermore, he was deeply involved in the areas of fate modelling and environmental risk assessment.

Dr. Den Haan represented "Shell Nederland Chemie B.V." in the "Dutch Consultation Group Detergents and the Environment" and was a member of the "ECOSOL Ad-hoc Environmental Experts Group". Furthermore, he was one of the members of the "UBS-Advisory Group" of the Dutch Ministry of Housing, Spatial Planning and the Environment, where he represented the VHCP and provides scientific input from the standpoint of the Industry. This committee steered the process of the development of the second National version of the "Uniform System for the Evaluation of Substances (UBS)", a computerised system for priority setting and risk assessment.

Dr. Den Haan has been involved in several ECETOC-TFs on environmental issues that are of concern for Industry. He has contributed to the bioconcentration TF and was involved in the TFs that consider the environmental behaviour of antropogenic substance and the applicability and use of QSARs in environmental risk assessment. In addition Dr. Den Haan chaired the ECETOC-TF ECIMOS that investigates the realism and improvements of risk assessment screening tools. Furthermore, he is a member of the CONCAWE Ecology group.

Dr Den Haan was selected by ECETOC to represent the European Chemical Industry in the EU-DG-XI working group that elaborated the EU-Risk Assessment Screening tool EUSES. Currently, he represents Industry in the EU-ECB working group that will look after the potential improvements of EUSES.

As of 1 May 1996 Dr. Den Haan took up a position of senior environmental adviser within the product safety and quality division of Shell International Chemistry B.V. in Amsterdam/London. Within this new job ,he continued representing Shell in the scientific regulatory discussions on Risk Assessment. Furthermore, he is due to services to the HODer business involved in several ERASM and CESIO working groups.

Since August 1996 Dr. Den Haan chaired the ECETOC TF ECIMOS that is developing the current Industry position as the science is concerned for the revision process of the EU-TGDs. Due to organisational changes in Shell this chair was terminated at the end of 1997, when Dr. den Haan took on another position in Shell.

From 1998 to September 2005 Dr. den Haan was principal adviser on Soil and Groundwater issue for Shell Chemicals in the field of Crop Protection Products and Acquisition and Divestment issues. In this period, he has managed and steered many site investigation and associated remediation projects, where required.

From September 2005 to September 2008, Dr. Den Haan held the position of Learning and Development Leader for Health, Safety and Environment and Sustainable Development at the Shell Open University, the Corporate Shell internal training facility. In this role he coordinated the mandatory HSSE training for higher Shell management and HSSE-professionals, through course delivery and development.

Since September 2008, Dr. Den Haan worked as the Technical Coordinator on Water, Soil, Waste and Safety at CONCAWE. As part of his tasks, he was involved in representing the European Refining and Distribution Industry at DG ENV, D2 WG-E and was a member of the Expert Group on Environmental Quality Standards and Prioritization and the Drafting Group for the Mixing Zone Guideline. Furthermore, he represented the Refining Sector with respect to Soil Water and Waste issues in the JRC-TWG that elaborated the revision of the IED-Refinery BREF.

In January 2014, Dr. Den Haan was selected to become the Concawe Science Executive for Petroleum Products, in which role he coordinates the scientific projects to support the REACH obligations of the European Refining Sector with a specific focus on the environmental and human exposure assessment of Petroleum Substances and fate processes influencing this. In this position, he represented the Refining sector in several ECHA working groups and the Risk Assessment Committee and was a member of the OECD QSAR Toolbox Committee.

His position at Concawe terminated upon his retirement from Shell end of December 2016.

Since September 2016, he advises the Industry on a freelance basis from he own Consultancy, Klaas den Haan Environmental & Safety Consultant, on environmental and safety issues. These activities terminated in March 2020.

Today, Klaas enjoys his retirement and follows the developments of the environmental science and legislation.

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4. *KH Den Haan, JL De Boer, JH Teuben, WJJ Smeets, AL Spek Formation and molecular structure of permethylyttrocene methyl tetrahydrofuranate* Journal of organometallic chemistry 327 (1), 31-38, 1987
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Haan¹⁸, Marlies Messiaen¹⁹, Helen Clayton²⁰, Teresa Lettieri²¹, Raquel Negrão Carvalho²¹, Bernd Manfred Gawlik²¹, Henner Hollert²², Carolina Di Paolo²², Werner Brack²³, Ulrike Kammann²⁴ and Robert Kase¹⁴, **The European technical report on aquatic effect-based monitoring tools under the water framework directive.** Environmental Sciences Europe 2015, 27:7 (11 March 2015)

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