

7th Newsletter

Dear colleague:

I am very sorry for having neglected my duty of keeping you current. My efforts to build up a toxicological assessment group for the city of Hamburg have been absorbing not only my working hours, but also most of my off-time. I hope to be able to spend more time on INA related affairs as soon as this task is terminated.

TCDD-Questionnaire:

Even though none of you has named TCDD as a substance he is dealing with, I enclosed a questionnaire with some simple (?) questions about an indoor air standard developed in Hamburg for dioxin and related compounds. If you feel these questions go beyond your expertise, may-be you find a colleague who is willing to help us. I would be grateful to receive as many answers as possible.

Lunteren:

By October 6th, we counted 49 registrations of people willing to contribute to our 1st meeting, and 12 more who want to attend. So, if you are still hesitating, make up your mind fast, or otherwise it might be too late. Speed your registration to Dr.J.HOOISMA at the TNO Medical Biological Laboratory | P.O.-Box 45, 2280 AA RIJSWIJK ZH, The Netherlands.

Save animal lives!

One of the ideas developed at the late MICKELN workshop was to standardise neurotoxicity testing methods to make assessments more comparable and eventually save experimental animal lives. CIBA-GEIGY now makes available to us its video based training course on classical symptoms of intoxication. It comes on a video disk ("active play"-system). For further information, turn to Dr.W.Classen, CIBA-GEIGY AG, CH-4002 Basel, Switzerland.

Address Alterations:

Franziska DeSouza-DelVecchio: Klingentalstrasse 67, CH-4057 BASEL, Switzerland.

J.Jeyaratnam: NATIONAL UNIVERSITY HOSPITAL, Lower Kent Ridge Road, SINGAPORE 0511.

Liv-Unni Naalsund: Nycomed As, Dept. of Pharmacology and Toxicology. P.O.-Box 4220, Torshov, N-0401 Oslo 4, Norway.

B.W.Ongerboer de Visser: UNIVERSITY OF AMSTERDAM, Department of Clinical Neurophysiology D2, Academic Medical Centre, Meibergdreef 9, 1105 AZ Amsterdam, The Netherlands.

David Peele: NORTHROP SERVICES Inc., Environmental Sciences, P.O.-Box 12313, Research Triangle Park, NC 27709, USA.

Ian Shaw: BOEHRINGER INGELHEIM Ltd., Ellesfield Avenue, Bracknell, Berkshire RG12 4YS.

Tom Walsh: RUTGERS UNIVERSITY, Department of Psychology, Busch Campus, NEW BRUNSWICK NJ 08903, USA.

New Members:

I am happy to welcome Prahlaad Seth, assistant director of the INDUSTRIAL TOXICOLOGY RESEARCH CENTRE, Lucknow, India. The same goes for Mario Fiori who works with FIDIA RESEARCH LABS., Abano Terme (Italy), and Hannu Komulainen from the NATIONAL PUBLIC HEALTH INSTITUTE in Kuopio, Finland. Their work will be presented in one of the next newsletters.

So much for today! A happy new year to all of you,

Michael

INTERNATIONAL NEUROTOXICOLOGY ASSOCIATION -INA-

Seat: Public Health Authorities, City of Hamburg
Toxicological Assessments (GS), Dr. Michael Csicsaky
Tesdorpfstrasse 8, D 2000 Hamburg - 13, W. Germany

Re: TCDD in nursery schools, proposal of a preventive standard
of 0.5 pg 2.3.7.8-TCDD-equivalents per cubic meter of
indoor air

Dear colleague:

During the sixties and seventies, pentachlorophenol based wood preservatives were used in private homes, but also in nursery schools. As a by-product, these preservatives contained chlorinated dibenzodioxins and -furans. In air samples from infant schools in Hamburg, up to 1.65 pg 2.3.7.8.-TCDD equivalents per cubic meter of air were found. TCDD equivalents were calculated according to a table published by the German Federal Health Office (Bundesgesundheitsamt).

The Public Health Authorities of the City of Hamburg do not consider these concentrations as irrelevant to human health. Therefore, several decontamination measures were proposed to the owners of the affected buildings. Upon completion of these measures, the concentration of 0.5 pg 2.3.7.8.-TCDD equivalents per cubic meter of indoor air should no longer be exceeded. At a detection level of 0,02 pg/m³, 2.3.7.8.-TCDD itself should not be detectable at all.

As fully comparable indoor air concentration limits for Dioxins are not available to us, we would appreciate very much to have your opinion on the standard proposed above. We devised a small questionnaire to help you with your task. Once completed, please, return the questionnaire to the address which is printed in its head.

Thank you in advance for your constructive attitude.

Yours sincerely

Michael Csicsaky, secretary

Berechnung der TCDD-Äquivalente (BGA)

PCDD/PCDF	Luftkonzentration in $\mu\text{g}/\text{Nm}^3$	Äquivalenzfaktor*	2.3.7.8-TCDD Äquivalenzwert in $\mu\text{g}/\text{Nm}^3$
2.3.7.8-TCDD	-	1	-
1.2.3.7.8-PeCDD	-	0,1	-
1.2.3.4.7.8-HxCDD	-	0,1	-
1.2.3.6.7.8-HxCDD	0,74	0,1	0,074
1.2.3.7.8.9-HxCDD	0,10	0,1	0,01
1.2.3.4.6.7.8-HpCDD	12,1	0,01	0,121
OCDD	12,1	0,001	0,012
2.3.7.8-TCDF	-	0,1	-
1.2.3.7.8-PeCDF	0,05	0,1	0,005
2.3.4.7.8-PeCDF	-	0,1	-
1.2.3.4.7.8-HxCDF	0,16	0,1	0,016
1.2.3.6.7.8-HxCDF	0,30	0,1	0,03
1.2.3.7.8.9-HxCDF	0,12	0,1	0,012
2.3.4.6.7.8-HxCDF	0,09	0,1	0,009
1.2.3.4.6.7.8-HpCDF	5,93	0,01	0,059
1.2.3.4.7.8.9-HpCDF	0,28	0,01	0,003
OCDF	1,9	0,001	0,002
Zwischensumme:			0,353
Summenwert ohne obige Einzelisomere			
Summe TCDD	0,08	0,01	0,001
Summe PeCDD	0,33	0,01	0,003
Summe HxCDD	2,12	0,01	0,021
Summe HpCDD	7,4	0,001	0,007
Summe TCDF	0,23	0,01	0,002
Summe PeCDF	1,44	0,01	0,014
Summe HxCDF	6,49	0,01	0,065
Summe HpCDF	4,34	0,001	0,004
Gesamtwert:			0,47

* Quelle: Umweltbundesamt, Sachstand Dioxine 5/85, Seite 264