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1-, 2- and t-Butanol

Health-based recommended occupational exposure limit

Report of the Dutch Expert Committee on Occupational Standards,
a committee of the Health Council of the Netherlands

To

The Minister for Health, Welfare and Sports

The Minister and State Secretary for Social Affairs and Employment

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Contents

Samenvatting en advieswaarde 11

Executive summary 15

1 Scope 19

1.1 Background 19

1.2 Committee and method of work 20

1.3 Data 20

2 Identity, physical and chemical properties, monitoring 21

2.1 Identity 21

2.1.1 Structure 21

2.1.2 Chemical names and synonyms/registry numbers 22

2.1.3 Physical and chemical properties 22

2.1.4 Analytical methods 23

2.1.5 Environmental monitoring 23

2.1.6 Biological monitoring 24

3 Sources of exposure 25

3.1 Natural occurrence 25

3.2 Man-made sources 25

3.2.1 Production 25

3.2.2 Uses 26

4 Quantitative information on exposure 27

4.1 Environmental levels 27

4.1.1 Water 27

4.1.2 Food 27

4.1.3 Air (ambient, occupational) 27

4.2 Internal human levels 29

4.2.1 General population 29

4.2.2 Working population 29

5 Guidelines and standards 31

5.1 General population 31

5.2 Working population 31

6 Toxicokinetics 33

6.1 Absorption 33

6.1.1 Pulmonary 33

6.1.2 Percutaneous 34

6.1.3 Oral 34

6.2 Distribution 34

6.3 Biotransformation 36

6.4 Excretion 37

6.5 Biological monitoring 39

6.6 Summary 39

7 Effects 41

7.1 Animal experiments 41

7.1.1 Irritation and sensitisation 41

7.1.2 Acute toxicity 42

7.1.3 Short-term toxicity 45

7.1.4 Long-term toxicity and carcinogenicity 46

7.1.5 Mutagenicity 48

7.1.6 Reproduction toxicology 49

7.1.7 Other studies 52

7.2 Observations in man 54

7.2.1 Irritation and sensitisation 54

7.2.2 Acute toxicity (incidents) 54

7.2.3 Short and long-term exposure (case studies, human experiments) 54

7.2.4 Epidemiological studies 55

7.3 Summary 57

8 Previous evaluation by national and international bodies 59

9 Evaluation of human health risk 61

9.1 Groups at extra risk 61

9.2 Assessment of health risk 61

9.3 Recommendations for research 62

9.4 Recommended occupational exposure limit 63

References 65

Annexes 71

A Request for advice 73

B Membership of the committee 75

C Comments on the public review draft 77

D Abbreviations 79

E DECOS-documents 87

1.2 Committee and method of work

The present document contains the assessment of DECOS of the toxicity of 1-, 2- and t-butanol and a health based recommended exposure limit for 1-butanol. The members of DECOS are listed in annex B.

The first draft of this report was prepared by dr JThJ Stouten, from the Medical Biological Laboratory TNO, by contract with the Ministry of Social Affairs and Employment. In 1992 DECOS released a draft version of the report for public review. The individuals and organisations that commented on the draft are listed in annex C. DECOS has taken these comments into account in finalising its report.

1.3 Data

The data presented in this document are derived mainly from the WHO review on butanol (WHO, 1987; see chapter 10). Where relevant for the derivation of a health-based recommended occupational exposure limit, the original publications were reviewed and evaluated, as indicated in the text. In addition, literature was retrieved from the on-line databases Chemabs and Medline, starting from 1983. The final search was carried out in December, 1990 and included Chem Abs 1990 vol 113/22 and Medline 12-90.