

<<危险化学品手册>>

图书基本信息

书名：<<危险化学品手册>>

13位ISBN编号：9787506272544

10位ISBN编号：7506272547

出版时间：2005-4

出版单位：世界图书出版公司

作者：Phillip Carson;C J MUMFORD

页数：608

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<危险化学品手册>>

内容概要

It is hoped that this book will prove valuable to safety advisers , environmental health officers , emergency services personnel , safety representatives and those engaged in the transport or disposal of wastes-in fact , to anyone involved with chemicals ' in the field' , i.e. away from ready access to chemical safety data sheets , detailed texts , library facilities or computerized databanks. It also provides a useful summary for those who may need to make only passing reference to the hazardous properties and potential effects of chemicals , such as general engineering students and occupational health nurses.

<<危险化学品手册>>

书籍目录

Preface to the second edition Preface to the first edition 1 Introduction 2 Terminology 3 General principles of chemistry Introduction Atoms and molecules Periodic table Valency Chemical bonds Oxidation/Reduction Physical state Acids Bases Halogens Metals Oxygen and sulphur Nitrogen, phosphorus, arsenic and antimony pH Salts Organic chemistry Combustion chemistry Chemical reactivity 4 Physicochemistry Vapour pressure Gas-liquid solubility Liquid-to-vapour phase change Solid-to-liquid phase change Density differences of gases and vapours Density differences of liquids Immiscible liquid-liquid systems Vapour flashing Effects of particle or droplet size Surface area effects in mass transfer or heterogeneous reactions Enthalpy changes on mixing of liquids Critical temperatures of gases Chemical reaction kinetics Corrosion Force and pressure Expansion and contraction of solids 5 Toxic chemicals Introduction Hazard recognition Types of toxic chemicals Hazard assessment Risk assessment of carcinogens Risk control Control of substances hazardous to health Specific precautions 6 Flammable chemicals Ignition and propagation of a flame front Control measures Fire extinguishment Fire precautions 7 Reactive chemicals Water-sensitive chemicals Toxic hazards from mixtures Reactive hazards from mixtures Oxidizing agents Explosive chemicals General principles for storage Hazards arising in chemicals processing 8 Cryogenics Liquid oxygen Liquid nitrogen and argon Liquid carbon dioxide Liquefied natural gas 9 Compressed gases Acetylene Air Ammonia Carbon dioxide Carbon monoxide Chlorine Hydrogen Hydrogen chloride 10 Monitoring techniques 11 Radioactive chemicals 12 Safety by design 13 Operating procedures 14 Marking 15 Transport of chemicals 16 Chemicals and the environment: sources and impact 17 Chemicals and the environment: monitoring and protection 18 Conversion tables and measurement data 19 Bibliography Appendix: Selected UK legislation relevant to environmental protection and occupational health and safety in relation to chemicals Index

<<危险化学品手册>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>