

An Introduction to
Daily Life
Chemicals

(Usages and Hidden Hazards)



Paul Anastas

(Father of Green Chemistry)

"Green chemistry is the chemistry of the future. It is the chemistry of innovation, the chemistry of sustainability, and the chemistry of progress."

An Introduction to Daily Life Chemicals

(Usages and Hidden Hazards)



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My brother and Executive Editor of this book,

who has encouraged and motivated me for book writing.

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**This book is
dedicated to my family**

**Sh. Asha Ram (Father)
Smt. Naina Devi (Mother)
Smt. Lalita Duriya (Wife)
&
Swarit, Vihan (Sons)**

*For their love that shaped me,
the support that raised me,
and the blessings that live on
in every page of my life.*

*This book is for you.
Thank you for being my roots,
my strength, and my home.
For ever....*



John C. Warner

(Co-founder of Green Chemistry Principles)

"Green chemistry is not a particular discipline of chemistry. It is the way all chemistry should be practiced."

Chapter	Title	Pages
	PREFACE	(viii)
1	Chemicals and Our Daily Life	1 – 15
2	Chemicals in Household Cleaning Products	16 – 34
3	Chemicals in Personal Care and Cosmetic Products	35 – 50
4	Kitchen Chemicals and Food Additives	51 – 63
5	Pesticides and Insecticides	64 – 83
6	Automotive and Garage Chemicals	84 – 97
7	Chemicals Used in Offices and Schools	98 – 112
8	Clothing and Laundry Chemicals	113 – 128
9	Chemicals in Children’s Products and Toys	129 – 140
10	Chemical Waste and Disposal	141 – 153
11	Emergency Response and First Aid Chemicals	154 – 165
12	Chemical Free Home Environment	166 – 176
13	Chemical Regulatory and Safety Guidelines	177 – 184
14	World Brands and Chemical Allegations	185 – 191
15	Sustainable Safer Future Chemistry	192 – 198

PREFACE

In our modern world, chemicals are everywhere—from the food we eat and the air we breathe, to the products we use to clean, beautify, and protect our homes and bodies. While many of these substances have improved our quality of life, others come with hidden risks that often go unnoticed.

This book, *An Introduction to Daily Life Chemical (Usages and Hidden Hazards)*, seeks to provide a balanced understanding of the chemicals we encounter every day. It offers insights into their practical uses—how they help preserve food, clean surfaces, kill germs, or enhance personal care—and also examines the potential health and environmental risks associated with prolonged or improper use.

Our goal is not to create fear, but awareness. By understanding what is in the products we use and how these substances interact with our bodies and environment, readers can make more informed decisions. Topics covered include household cleaners, cosmetics, packaged foods, plastics, over-the-counter medicines, and even indoor air pollutants.

Written in clear, accessible language, this book is designed for students, educators, and general readers with an interest in chemistry, health, and sustainability. Scientific concepts are explained in simple terms, and real-world examples are used to connect theory to everyday life.

I hope this book empowers readers to ask questions, seek answers, and engage more thoughtfully with the chemical world around them.

Neem Ka Thana

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Dr. Sanjay Kumar