
Abbreviations

ABA	American Bar Association
ADME	absorption, distribution, metabolism and elimination
AFM	atomic force microscope
ANSI	American National Standards Institute
APCL	<i>Air Pollution Control Law</i> (Japan)
APIs	active product ingredients
B2B	business-to-business sector
B2C	business-to-customer sector
BIAC	Business and Industry Advisory Committee to the OECD
BIPM	International Bureau of Weights and Measures
BSI	British Standards Institution
C ₆₀	Fullerene or buckminsterfullerene ('buckyball')
CAA	<i>Clean Air Act</i> (US)
CAS	Chemical Abstracts Service
CEN	European Committee for Standardization
CEPA	<i>Canadian Environmental Protection Act</i>
CERCLA	<i>Comprehensive Environmental Response, Compensation and Liability Act</i> (US) (or 'Superfund')
CGPM	General Conference on Weights and Measures
CIPAST	Citizen Participation in Science and Technology
CMR	carcinogenic, mutagenic or toxic for reproduction
CNTs	carbon nanotubes
CPSC	Consumer Product Safety Commission (US)
CTD	common technical document
CWA	<i>Clean Water Act</i> (US)
Defra	Department of Environment, Food and Rural Affairs (UK)
DITR	Department of Industry, Tourism and Resources (Australia)
EC	European Commission
ECHA	European Chemicals Agency
EEB	European Environmental Bureau
EGE	European Group on Ethics in Science and New Technologies
EHS	environmental, health and safety
ELI	Environmental Law Institute (US)

ELSA	ethical, legal and social aspects
EMA	European Medicines Agency
EMAS	Eco-Management and Audit Scheme
ENMs	engineered nanomaterials
ENPs	engineered nanoparticles
EP	European Parliament
EPA	Environmental Protection Agency (US)
EPCRA	<i>Emergency Planning and Community Right to Know Act (US)</i>
EPO	European Patent Office
EPR	enhanced permeability and retention effect
ESF	European Science Foundation
ETC Group	Action Group on Erosion, Technology and Concentration
FAO	Food and Agricultural Organization
FCMs	food contact materials
FDA	Food and Drug Administration (US)
FIFRA	<i>Federal Insecticide, Fungicide and Rodenticide Act (US)</i>
FoEA	Friends of the Earth Australia
FOEN	Federal Office for the Environment (Switzerland)
FQS	<i>Fuel Quality Standards Act 2000 (Australia)</i>
FSA	Food Standards Agency (UK)
FSANZ	Food Standards Australia and New Zealand
FSD	<i>Fuel Standards (Petrol) Determination 2001 (Australia)</i>
FTE	full-time equivalent
GAO	Government Accountability Office (US)
GATT	<i>General Agreement on Tariffs and Trade processes</i>
GCPs	good clinical practices
GLPs	good laboratory practices
GM	genetically modified
GMOs	genetically modified organisms
GMPs	good manufacturing practices
GRAS	generally regarded as safe
HARN	high aspect ratio nanoparticles
HoL	House of Lords (UK)
HSE	Health and Safety Executive (UK)
HWREI	<i>Hazardous Water (Regulation of Exports and Imports) Act 1989 (Australia)</i>
ICH	International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use
ICTA	International Center For Technology Assessment
IEC	International Electrotechnical Committee

IEEP	Institute for European Environmental Policy
IFSA	International Forum on Chemical Safety
INDA	Investigational New Drug Application
IP	intellectual property
IPCC	Intergovernmental Panel on Climate Change
IPEN	International Persistent Organic Pollutant (POPs) Elimination Network
IPPC	<i>Integrated Pollution Prevention and Control Directive</i>
IPRs	intellectual property rights
IRGC	International Risk Governance Council
IRIS	Integrated Risk Information System
ISO	International Organization for Standardization
ITU	International Telecommunication Union
IUF	International Union of Food, Agricultural, Hotel, Restaurant, Catering, Tobacco and Allied Workers' Associations
IUR	Inventory Update Rule (US)
LSE	London School of Economics and Political Science
MAA	marketing authorisation application
MEPs	Members of the European Parliament
MOE	Ministry for Environment (Japan)
MPCs	maximum permissible concentrations
MRA	mutual recognition agreement
MWCNTs	multi-walled carbon nanotubes
NCEs	new chemical entities
NDA	new drug application
NGOs	non-governmental organizations
NICE	National Institute for Health and Clinical Excellence (US)
NICNAS	National Industrial Chemical Notification and Assessment Scheme (Australia)
NIH	National Institute of Health (US)
NIOSH	National Institute for Occupational Safety and Health (US)
NMI	national metrology institutes
NNI	National Nanotechnology Initiative (US)
NOAA	National Oceanic and Atmospheric Administration (US)
NOC	notice of commencement (US)
NPs	nanoparticles
NSF	National Science Foundation (US)
NMSP	Nanoscale Materials Stewardship Program (US)
OECD	Organisation for Economic Co-operation and Development
OH&S	Occupational Health and Safety

OIML	International Organization for Legal Metrology
OPPT	Office of Pollution Prevention and Toxics (US)
OSHA	Occupational Safety and Health Administration (US)
PAS	publicly available specification
PAT	process analytical technologies
PEN	Project on Emerging Nanotechnologies (US)
PMN	pre-manufacturing notification
PMO	Pièces et Mains d'Oeuvres (France)
R&D	research and development
RCEP	Royal Commission on Environmental Pollution
RCRA	<i>Resource Conservation and Recovery Act</i> (US)
REACH	<i>Regulation on Registration, Evaluation and Authorisation and Restriction of Chemicals</i> (EU)
RS-RAE	The Royal Society and the Royal Academy of Engineering
SCENIHR	Scientific Committee on Emerging and Newly Identified Health Risks (EU)
SEER	Section of Environment, Energy and Resources (of the American Bar Association)
SI	international system of units
SMANCS	styrene-maleic acid copolymer-conjugated neocarzinostatin
SNURs	Significant New Use Rules (US)
STEL	short term exposure limit
STM	scanning tunnelling microscope
SVHC	substance of very high concern
SWCNTs	single-walled carbon nanotubes
TRIPS	<i>Trade Related Intellectual Property Rights Agreement</i>
TSCA	<i>Toxic Substances Control Act</i> (US)
TWA	time weighted average
UK	United Kingdom
UN	United Nations
UNESCO	United Nations Educational, Scientific and Cultural Organization
US	United States (of America)
USGS	United States Geological Survey
USPTO	United States Patent and Trademark Office
VRMS	voluntary risk management systems
VRS	voluntary reporting scheme
WHO	World Health Organization
WMPCL	<i>Waste Management and Public Cleansing Law</i> (Japan)
WPNM	Working Party of Manufactured Nanomaterials (OECD)
WTO	World Trade Organization