



## SOME CHEMICALS PRESENT IN INDUSTRIAL AND CONSUMER PRODUCTS, FOOD AND DRINKING-WATER

VOLUME 101

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opinions of an IARC Working Group on the  
Evaluation of Carcinogenic Risks to Humans,  
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ON THE EVALUATION  
OF CARCINOGENIC RISKS  
TO HUMANS

# LIST OF ABBREVIATIONS

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ACGIH	American Conference of Governmental Industrial Hygienists
ACO	acyl-coenzyme A oxidase
ADH	alcohol dehydrogenase
AhR	aryl hydrocarbon receptor
ALDH	aldehyde dehydrogenase
AQ	anthraquinone
AR	androgen receptor
ATPase	adenine triphosphatase
AUC	area under the curve
BaX	Bcl-2-associated X
Bcl-2	B-cell lymphoma-2
bw	body weight
CALUX	chemically activated luciferase gene expression
CAPD	continuous ambulatory peritoneal dialysis
CAR	constitutive androstane receptor
CAT	carnitine acetyl transferase
CI	confidence interval
CYP	cytochrome P450
DBP	dibutyl phthalate
DCP	1,3-dichloropropanol
DEHP	di(2-ethylhexyl) phthalate
DEP	diethyl phthalate
DINP	di-isononyl phthalate
E2	17 $\beta$ -estradiol
EC50	half the minimum effect concentration
ECD	electron capture detection
ECH	epichlorohydrin
EFSA	European Food Safety Authority
2-EH	2-ethylhexanol
2-EHA	2-ethylhexanoic acid
EPA	Environmental Protection Agency
ER	estrogen receptor
EU	European Union
FID	flame ionization detection
GC	gas chromatography
GSH	glutathione

GST	glutathione <i>S</i> -transferase
HFBI	heptafluorobutyrylimidazole
hPXR	human pregnane X receptor
HVP	acid-hydrolysed vegetable protein
IC50	half maximal inhibitory concentration
Ig	immunoglobulin
IL	interleukin
K <sub>ow</sub>	octanol/water constant
KZG	Kurz Zeit Gedächtnis
LBW	low birth weight
MAK	Maximale Arbeitsplatz-Konzentration
MBzP	monobenzyl phthalate
MCMHP	mono(2-carboxymethyl)hexyl phthalate
3-MCPD	3-monochloro-1,2-propanediol
MCPP	mono(3-carboxypropyl) phthalate
MDR	multidrug response
MECPP	mono(2-ethyl-5-carboxypentyl) phthalate
MEHHP	mono(2-ethyl-5-hydroxyhexyl) phthalate
MEHP	mono(2-ethylhexyl) phthalate
MEOHP	mono(2-ethyl-5-oxohexyl) phthalate
MEP	monoethyl phthalate
MiBP	monoisobutyl phthalate
MMP	monomethyl phthalate
MnBP	mono- <i>n</i> -butyl phthalate
mPXR	mouse pregnane X receptor
mRNA	messenger RNA
MS	mass spectrometry
MSHA	Mine Safety and Health Administration
NADPH	nicotinamide adenine dinucleotide phosphate
NAT	<i>N</i> -acetyl transferase
ND	not detected
NDEA	<i>N</i> -nitrosodiethylamine
NDMA	<i>N</i> -nitrosodimethylamine
NIOSH	National Institute of Occupational Safety and Health
NO <sub>x</sub>	nitrogen oxides
NPRI	National Pollution Release Inventory
NR	not reported
NS	not significant
NTP	National Toxicology Program
OEL	occupational exposure limit
8-OHdG	8-hydroxydeoxyguanosine
OSHA	Occupational Safety and Health Administration
P450R	nicotinamide adenine dinucleotide phosphate-cytochrome P450 oxidoreductase
PAH	polycyclic aromatic hydrocarbon
PBA	phenylboronic acid
PBT	persistent, bioaccumulative and toxic
PEL	permissible exposure limit
PID	photoionization detection

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PLD	phospholipidase D
POBN	$\alpha$ -(4-pyridyl-1-oxide)- <i>N</i> - <i>tert</i> -butylnitrone
PPAR	peroxisome proliferator-activated receptor
PPRE	peroxisome proliferator response element
PUFA	polyunsaturated fatty acid
PVC	polyvinyl chloride
REL	recommended exposure limit
RT-PCR	reverse transcriptase-polymerase chain reaction
SAM	S-adenosyl methionine
SD	standard deviation
SHE	Syrian hamster embryo
SIR	standardized incidence ratio
sk	skin notation
SMR	standardized mortality ratio
STEL	short-term exposure limit
SULT	sulfotransferase
T4	thyroxine
TDI	tolerable daily intake
TGF	transforming growth factor
TLV	threshold limit value
TNF $\alpha$ / $\alpha$ Ama	tumour necrosis factor $\alpha$ / $\alpha$ -amanitine
TPA	12- <i>O</i> -tetradecanoyl phorbol-13-acetate
TSH	thyroid-stimulating hormone
TWA	time-weighted average
UDGPT	uridine diphosphate glucuronosyl transferase
UGT	5'-diphospho-glucuronosyl transferase
UV	ultraviolet
VME	valeur moyenne d'exposition
WY-14 643	4-chloro-6-(2,3-xylidino)-2-pyrimidinylthioacetic acid
XRE	xenobiotic response element

