

# Contents

	<i>Page</i>
Foreword .....	iii
Preface .....	v
Explanatory notes .....	xi
Summary .....	xiii
<i>Chapter</i>	
I. Introduction .....	1
II. Action taken by Governments and the International Narcotics Control Board .....	1
A. Scope of control .....	1
B. Adherence to the 1988 Convention .....	2
C. Reporting to the Board pursuant to article 12 of the 1988 Convention .....	2
D. Legislation and control measures .....	3
E. Submission of data on licit trade in, uses of and requirements for precursors .....	5
F. Annual legitimate requirements for imports of precursors of amphetamine-type stimulants .....	6
G. Pre-export notifications and utilization of the Pre-Export Notification Online system .....	7
H. Other activities and achievements in international precursor control .....	9
III. Extent of licit trade and latest trends in trafficking in precursors .....	11
A. Substances used in the illicit manufacture of amphetamine-type stimulants .....	11
B. Substances used in the illicit manufacture of cocaine .....	22
C. Substances used in the illicit manufacture of heroin .....	25
D. Substances used in the illicit manufacture of other narcotic drugs and psychotropic substances .....	28
E. Substances not listed in Table I or Table II of the 1988 Convention that are used in the illicit manufacture of other narcotic drugs and psychotropic substances or substances of abuse not under international control .....	29
IV. Impact of the coronavirus disease (COVID-19) on licit and illicit activities related to precursors .....	31
V. Conclusions and recommendations .....	34
Glossary .....	37
<i>Annexes*</i>	
I. Parties and non-parties to the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988, by region, as at 1 November 2020 .....	39
II. Submission of information by Governments pursuant to article 12 of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988 (form D) for the period 2015–2019 .....	44
III. Seizures of substances in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988, as reported to the International Narcotics Control Board, 2015–2019 .....	48
IV. Submission of information by Governments on licit trade in, legitimate uses of and requirements for substances in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988 for the years 2015–2019 .....	77

\*The annexes are not included in the printed version of the present report but are available on the website of the International Narcotics Control Board ([www.incb.org](http://www.incb.org)).

V.	Annual legitimate requirements for ephedrine, pseudoephedrine, 3,4-methylenedioxyphenyl-2-propanone and 1-phenyl-2-propanone; substances frequently used in the manufacture of amphetamine-type stimulants.....	84
VI.	Governments that have requested pre-export notifications pursuant to article 12, subparagraph 10 (a), of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988.....	90
VII.	Substances in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988 .....	95
VIII.	Use of scheduled substances in the illicit manufacture of narcotic drugs and psychotropic substances .....	96
IX.	Licit uses of the substances in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances of 1988.....	100
X.	Treaty provisions for the control of substances frequently used in the illicit manufacture of narcotic drugs and psychotropic substances .....	102
XI.	Regional groupings .....	103

Figures

I.	Reporting by Governments on form D, 2010–2019 .....	3
II.	Estimated annual legitimate requirements for precursors of amphetamine-type stimulants: number of Governments that provided estimates and total number of estimates provided, 2011–2020.....	6
III.	Users of PEN Online system and pre-export notifications submitted, 2011–2020.....	8
IV.	Governments registered with the PEN Online system and having invoked article 12, subparagraph 10 (a), of the 1988 Convention, by region, as at 1 November 2020.....	8
V.	Seizures of ephedrine and pseudoephedrine reported by Governments on form D, 2010–2019 .....	12
VI.	Alternative chemicals used in the illicit manufacture of amphetamine or methamphetamine (scheme 1) .....	17
VII.	Alternative chemicals used in the illicit manufacture of amphetamine or methamphetamine (scheme 2) .....	17
VIII.	Alternative chemicals used in the illicit manufacture of amphetamine or methamphetamine (scheme 3) .....	18
IX.	The chemistry of P-2-P-based methamphetamine manufacturing methods .....	19
X.	Seizures of 3,4-MDP-2-P and derivatives of 3,4-MDP-2-P methyl glycidic acid communicated through the Precursors Incident Communication System, 2013–2020.....	20
XI.	Use of methylamine in illicit drug manufacture .....	21
XII.	Seizures of formamide and formic acid, as reported by Governments in Europe on form D, 2010–2019.....	21
XIII.	Potassium permanganate laboratories dismantled in Colombia, 2000–2020 .....	23
XIV.	Percentage of seizures of ethyl acetate among seizures of all acetate solvents reported on form D in South America and Colombia, 2015–2019.....	24
XV.	Seizures of ammonium chloride reported on form D, 2011–2019 .....	27
XVI.	GBL and GHB .....	30
XVII.	Number of incidents involving precursors communicated through the Precursors Incident Communication System in the period from January to June, 2017–2020.....	33

Boxes

1.	Estimated requirements for chemicals for the manufacture of cocaine hydrochloride in Colombia, 2019 .....	24
2.	Progress towards addressing Internet-facilitated trade in precursors .....	26

Tables

1.	States parties failing to report as required under article 12, paragraph 12, of the 1988 Convention, 2019 .....	2
2.	The 10 largest importers of ephedrine and pseudoephedrine, by volume, 1 November 2019–1 November 2020 .....	12
3.	Number of pre-export notifications submitted by Governments through the PEN Online system in the period from January to June, 2018–2020 .....	32