

Prepared by the
INTERNATIONAL NARCOTICS CONTROL BOARD

Vienna International Centre
P.O.Box 500
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in accordance with the

**United Nations Convention against Illicit Traffic
in Narcotic Drugs and Psychotropic Substances, 1988**

containing the

**LIST OF PRECURSORS AND CHEMICALS FREQUENTLY USED IN
THE ILLICIT MANUFACTURE OF NARCOTIC DRUGS AND
PSYCHOTROPIC SUBSTANCES UNDER INTERNATIONAL CONTROL**

Introduction

This list has been prepared by the International Narcotics Control Board (INCB) as a tool to be used for the identification of substances scheduled in Tables I and II of the United Nations Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances, 1988 (1988 Convention).

All those involved with the implementation of the provisions of article 12 of the 1988 Convention, including regulatory, administrative and law enforcement authorities, will find the list helpful. For example, it will be required to complete the Board's Form D, "Annual information on substances frequently used in the illicit manufacture of narcotic drugs and psychotropic substances", as required under the provisions of article 12, paragraph 12. It will also be required by regulatory and administrative authorities to check the names of chemicals associated with, *inter alia*, applications for authorizations for export or import. Law enforcement authorities will require the information, *inter alia*, to check documentation accompanying consignments of chemicals and to further identify chemicals seized at illicit laboratories.

The list is comparable to the lists of narcotic drugs and psychotropic substances under international control, and the alphabetical listings of other names and trade names of narcotic drugs and psychotropic substances, which are published by the Board as the "Yellow List" and the "Green List", respectively.

Part One gives a list of those substances scheduled in Tables I and II of the 1988 Convention. The list is divided into two sections, the first listing those substances included in Table I, and the second listing those substances in Table II. English, French and Spanish names as used in the respective versions of the Tables of the 1988 Convention are given, as well as Harmonized System (HS) codes and Chemical Abstracts Service (CAS) registry numbers, to facilitate rapid identification of all scheduled substances. The full Chemical Abstracts Index name of each substance is given also for reference purposes.

Part Two lists in alphabetical order the chemical names, synonyms and trade names, etc., of the substances included in Part One. Although not explicitly stated in the 1988 Convention, it is understood that the name of each of those substances, as given in the Tables of the Convention, covers also all isomeric forms of the substance. Consequently, it should be noted that where a specific isomer is listed in Part Two, for example *l*-ephedrine as a synonym for ephedrine, this should not be understood to mean that only the *l*-form of ephedrine is controlled.

Part Three provides a table of conversion factors needed to convert quantities of scheduled substances in their salt form into quantities of pure anhydrous base.

Regular updating of the information provided in this list, particularly that relating to the chemical names, synonyms and trade names, etc., of scheduled substances, will be necessary to ensure the effectiveness of controls. INCB, with the United Nations Office on Drugs and Crime (UNODC), has established a database containing this information, using as a basic source, and adding to, an index of other names, synonyms and trade names collated by the Laboratory and Scientific Section of UNODC. Governments are kindly requested to provide the Board with any additions and/or amendments to the information provided to ensure that this database is maintained up to date.

PART ONE: SUBSTANCES SCHEDULED IN TABLES I AND II OF THE 1988 CONVENTION

English, French and Spanish names as used in the respective versions of Tables I and II of the 1988 Convention are given, as well as Harmonized System (HS) codes and Chemical Abstracts Service (CAS) registry numbers, to facilitate rapid identification of all scheduled substances. Chemical Abstracts Index names are given in parentheses.

SUBSTANCES INCLUDED IN TABLE I

Acetic anhydride Anhydride acétique Anhídrido acético	(acetic oxide) HS code: 2915.24 CAS number: 108-24-7
N-Acetylanthranilic acid Acide N-acétylanthranilique Acido N-acetilantranílico	(benzoic acid, 2-(acetylamino)-) HS code: 2924.23 CAS number: 89-52-1
Ephedrine Ephédrine Efedrina	([R-(R*,S*)]-[1-(methylamino)ethyl]-benzenemethanol) HS code: 2939.41 CAS number: 299-42-3
Ergometrine Ergométrine Ergometrina	(ergoline-8-carboxamide,9,10-didehydro-N-(2-hydroxy-1-methylethyl)-6-methyl-,[8B(S)]) HS code: 2939.61 CAS number: 60-79-7
Ergotamine Ergotamine Ergotamina	(ergotaman-3',6',18'-trione,12'-hydroxy-2'-methyl-5'-(phenylmethyl)-,(5)) HS code: 2939.62 CAS number: 113-15-5
Isosafrole Isosafrole Isosafrol	(1,3-benzodioxole,5-(1-propenyl)-) HS code: 2932.91 CAS number: 120-58-1
Lysergic acid Acide lysergique Acido lisérgico	((8B)-9,10-didehydro-6-methylergoline-8-carboxylic acid) HS code: 2939.63 CAS number: 82-58-6
3,4-Methylenedioxyphenyl-2-propanone Méthylènedioxyphényl-3,4 propanone-2 3,4-Metilendioxifenil-2-propanona	(2-propanone,1-[3,4(methylenedioxy)phenyl]-) HS code: 2932.92 CAS number: 4676-39-5
Norephedrine Norephédrine Norefedrina	(R*,S*)-α-(1-aminoethyl)benzenemethanol HS code: 2939.49 CAS number: 14838-15-4
1-Phenyl-2-propanone Phényl-1 propanone-2	(1-phenyl-2-propanone) HS code: 2914.31 CAS number: 103-79-7
Piperonal Pipéronal Piperonal	(1,3-benzodioxole-5-carboxaldehyde) HS code: 2932.93 CAS number: 120-57-0
Potassium permanganate Permanganate de potassium Permanganato potásico	(permanganic acid (HMnO₄), potassium salt) HS code: 2841.61 CAS number: 7722-64-7
Pseudoephedrine Pseudoéphédrine Seudoefedrina	([S-(R*,R*)]-[1-(methylamino)ethyl]-benzenemethanol) HS code: 2939.42 CAS number: 90-82-4
Safrole Safrole Safrol	(1,3-benzodioxole,5-(2-propenyl)-) HS code: 2932.94 CAS number: 94-59-7

The salts of the substances listed in this Table whenever the existence of such salts is possible.

SUBSTANCES INCLUDED IN TABLE II

Acetone Acétone Acetona	(2-propanone) HS code: 2914.11 CAS number: 67-64-1
Anthranilic acid Acide anthranilique Acido antranílico	(2-aminobenzoic acid) HS code: 2922.43 CAS number: 118-92-3
Ethyl ether Ether éthylique Eter etílico	(1,1'-oxybis[ethane]) HS code: 2909.11 CAS number: 60-29-7
Hydrochloric acid¹ Acide chlorhydrique Acido clorhídrico	(hydrochloric acid) HS code: 2806.10 CAS number: 7647-01-0
Methyl ethyl ketone Méthyléthylcétone Metiletilcetona	(2-butanone) HS code: 2914.12 CAS number: 78-93-3
Phenylacetic acid Acide phénylacétique Acido fenilacético	(benzeneacetic acid) HS code: 2916.34 CAS number: 103-82-2
Piperidine Pipéridine Piperidina	(piperidine) HS code: 2933.32 CAS number: 110-89-4
Sulphuric acid¹ Acide sulfurique Acido sulfúrico	(sulfuric acid) HS code: 2807.00 CAS number: 7664-93-9
Toluene Toluène Tolueno	(benzene, methyl-) HS code: 2902.30 CAS number: 108-88-3

The salts of the substances listed in this Table whenever the existence of such salts is possible.

¹ The salts of hydrochloric acid and sulphuric acid are specifically excluded from Table II.

PART TWO: CHEMICAL NAMES, SYNONYMS AND TRADE NAMES, ETC., OF SCHEDULED SUBSTANCES AND THEIR SALTS, IN ALPHABETICAL ORDER

The names of substances as given in the 1988 Convention are printed in **bold type**. They are accompanied by a reference to whether the related substances are scheduled in Table I or Table II of the 1988 Convention, as detailed in PART ONE.

Listed chemical names, synonyms and trade names apply sometimes to pure substances and sometimes to the salts of those substances. In all such cases, reference is made to the substance name as given in PART ONE. Commercial products identified by their trade names usually contain a scheduled substance mixed with one or more other ingredients. As indicated in the Introduction it is understood that the names of the substances, as given in the Tables of the Convention, cover all isomeric forms of the substances.

The list does not assume to be comprehensive. The absence of any chemical name, synonym or trade name, etc., for a scheduled substance does not necessarily mean that the substance with that name is not under international control. Further, it should be noted that the same name, particularly common or trade names, may be used for different substances in different countries. In cases where ambiguity may occur, it is recommended that the name of the substance in question should always be checked against the chemical designation or formula.

All chemical names, synonyms and trade names are listed alphabetically wherever possible. Chemical names with a prefix are included at the respective alphabetical position of the substance itself. Thus, for example,

N-acetylamino benzoic acid is listed under "a",
trans-ephedrine is listed under "e",
D-lysergic acid is listed under "l",
1,2-methylenedioxy-4-allyl-benzene is listed under "m",
(+)-pseudoephedrine is listed under "p", and
"-toluic acid is listed under "t", etc.

Name

N-AAA
2-Acetamidobenzoic acid
o-Acetamidobenzoic acid
ortho-Acetamidobenzoic acid
Acetanhydride
Acetic acid, anhydride
Acetic anhydride
Acetic oxide
Aceton, -a, -e, -um
Acetone
Acétone
Acetonersatz
Acetonylbenzene
5-Acetyl-1,3-benzodioxole
1-(Acetyl)-3,4-methylenedioxybenzene
Acetyl acetate
N-Acetylaminobenzoic acid
2-Acetylaminobenzoic acid
o-Acetylaminobenzoic acid
1-Acetyl-amino-2-carboxybenzene
Acetyl anhydride
***N*-Acetylanthranilic acid**
Acetyl ether
Acetyl oxide
Acide *N*-acétylanthranilique
Acide 2-aminobenzöique
Acide o-aminobenzöique
Acide anthranilique
Acide benzéne acétique
Acide chlorhydrique
Acide ergoline-8 β -carboxylique, didéhydro-9,10-méthyl-6-
Acide indolo (4,3-fg)-quinoline, ergoline-8-carboxylique
Acide lysergique
Acide lysergique 2-hydroxy-1-méthyléthylamide
Acide lysergique 2-propanolamide
Acide phénylacétique
Acide sulfurique
Acide "-toluique
Acido *N*-acetilantranílico
Acido orto-aminobenzoico
Acido antranílico
Acido bencenoacetico
Acido clorhidrico
Acido fenilacético
Acido lisérgico
Acido piroacetico
Acido sulfúrico
Acido "-toloico
Acidum hydrochloricum (concentratum)
Actifed
Acutrim
Adiret
Aether anaestheticus
Afrinol
Allent
5-Allyl-1,3-benzodioxole
Allylcatechol methylene ether
Allyldioxybenzene methylene ether

Substance

N-Acetylanthranilic acid
N-Acetylanthranilic acid
N-Acetylanthranilic acid
N-Acetylanthranilic acid
Acetic anhydride
Acetic anhydride
see Table I
Acetic anhydride
Acetone
see Table II
Acetone
Methyl ethyl ketone
1-Phenyl-2-propanone
3,4-Methylenedioxyphenyl-2-propanone
3,4-Methylenedioxyphenyl-2-propanone
Acetic anhydride
N-Acetylanthranilic acid
N-Acetylanthranilic acid
N-Acetylanthranilic acid
N-Acetylanthranilic acid
Acetic anhydride
see Table I
Acetic anhydride
Acetic anhydride
N-Acetylanthranilic acid
Anthranilic acid
Anthranilic acid
Anthranilic acid
Phenylacetic acid
Hydrochloric acid

Lysergic acid
Lysergic acid
Lysergic acid
Ergometrine
Ergometrine
Phenylacetic acid
Sulphuric acid
Phenylacetic acid
N-Acetylanthranilic acid
Anthranilic acid
Anthranilic acid
Phenylacetic acid
Hydrochloric acid
Phenylacetic acid
Lysergic acid
Acetone
Sulphuric acid
Phenylacetic acid
Hydrochloric acid
Pseudoephedrine
Norephedrine
Norephedrine
Ethyl ether
Pseudoephedrine
Pseudoephedrine
Safrole
Safrole
Safrole

<i>Name</i>	<i>Substance</i>
1-Allyl-3,4-methylenedioxybenzene	Safrole
4-Allyl-1,2-methylenedioxybenzene	Safrole
<i>m</i> -Allylpyrocatechin methylene ether	Safrole
4-Allylpyrocatechol formaldehyde acetal	Safrole
Allylpyrocatechol methylene ether	Safrole
Ambenyl-D	Pseudoephedrine
Amfed TD	Norephedrine
2-Aminobenzoic acid	Anthranilic acid
<i>o</i> -Aminobenzoic acid	Anthranilic acid
ortho-Aminobenzoic acid	Anthranilic acid
1-Amino-2-carboxybenzene	Anthranilic acid
α -(1-Aminoethyl) benzylalcohol	Norephedrine
2-Amino-1-phenyl-1-propanol	Norephedrine
Anaesthetic ether	Ethyl ether
Anesthesia ether	Ethyl ether
Anhídrido acético	Acetic anhydride
Anhídrido etanoico	Acetic anhydride
Anhydride acétique	Acetic anhydride
Anhydride éthanoïque	Acetic anhydride
Anthranilic acid	see Table II
<i>o</i> -Anthranilic acid	Anthranilic acid
Anthranilic acid, <i>N</i> -acetyl	<i>N</i> -Acetylanthranilic acid
Antisal 1A	Toluene
Appedrine	Norephedrine
Arconovina	Ergometrine
Astmaphedrine	Ephedrine
Atridine	Pseudoephedrine
Avetol	Ergotamine
Azacyclohexane	Piperidine
Azijnzuur anhydride	Acetic anhydride
BMK	1-Phenyl-2-propanone
Basergin, -e	Ergometrine
Bellergal	Ergotamine
Benafed	Pseudoephedrine
Benazma	Pseudoephedrine
Benylin	Pseudoephedrine
Benzeneacetic acid	Phenylacetic acid
Benzene, 4-allyl-1,2-(methylenedioxy)	Safrole
Benzenemethanol, "[1-(methylamino)ethyl]-,[R-(R*,S*)]-	Ephedrine
Benzenemethanol, "[1-(methylamino)ethyl]-,[S-(R*,R*)]-	Pseudoephedrine
Benzene, methyl-	Toluene
Benzene-1,2-(methylenedioxy)-4-allyl-	Safrole
Benzene-1,2-(methylenedioxy)-4-propenyl-	Isosafrole
1,3-Benzodioxal-5-yl-propan-2-one	3,4-Methylenedioxyphenyl-2-propanone
1,3-Benzodioxole-5-carbaldehyde	Piperonal
1,3-Benzodioxole-5-carboxaldehyde	Piperonal
1,3-Benzodioxole, 5-(1-propenyl)-	Isosafrole
1,3-Benzodioxole, 5-(2-propenyl)-	Safrole
1-(1,3-Benzodioxol-5-yl)-2-propanone	3,4-Methylenedioxyphenyl-2-propanone
1-(1,3-Benzodioxol-5-yl)-propan-2-one	3,4-Methylenedioxyphenyl-2-propanone
Benzoic acid, 2-(acetylamino)-	<i>N</i> -Acetylanthranilic acid
<i>N</i> -(5-(Benzyl-10 β -hydroxy-2-methyl)-3,6-dioxoperhydro-oxazolo-(3,2- <i>a</i>)-pyrrolo(2,1- <i>c</i>)pyrazin-2-yl)- <i>D</i> -lysergamide	Ergotamine
5'-Benzyl-12'-hydroxy-2'-methylethylergotaman-3',6',18-trione	Ergotamine
Benzyl methyl ketone	1-Phenyl-2-propanone
Biophedrin	Ephedrine
BMK	1-Phenyl-2-propanone
BOV	Sulphuric acid
Brexin	Pseudoephedrine

<i>Name</i>	<i>Substance</i>
Butane-2-one	Methyl ethyl ketone
Butanone	Methyl ethyl ketone
Butanone-2	Methyl ethyl ketone
2-Butanone	Methyl ethyl ketone
3-Butanone	Methyl ethyl ketone
Cafergot	Ergotamine
Cairox	Potassium permanganate
Caniphedrin, -e	Ephedrine
2-Carboxyacetanilide	<i>N</i> -Acetylanthranilic acid
Carboxyanilin, -e	Anthranilic acid
2-Carboxyanilin, -e	Anthranilic acid
o-Carboxyaniline	Anthranilic acid
ortho-Carboxyaniline	Anthranilic acid
Cenafed	Pseudoephedrine
Cetona	Acetone
Chameleon mineral	Potassium permanganate
Cheston	Pseudoephedrine
Chlorhydric acid	Hydrochloric acid
Chlorowodor	Hydrochloric acid
Chlor-trimeton Decongestant	Pseudoephedrine
CI 77755	Potassium permanganate
Coldecon	Norephedrine
Condy's crystals	Potassium permanganate
Congestac	Pseudoephedrine
Congesteze	Pseudoephedrine
Control	Norephedrine
Cornocentin, -e	Ergometrine
Cornutamin	Ergotamine
Co-Tylenol	Pseudoephedrine
CP-25	Toluene
Cryovinal	Ergometrine
Cyclopentimine	Piperidine
Cypentyl	Piperidine
DAM-57	Lysergic acid
Daycare	Pseudoephedrine
Decofed	Pseudoephedrine
Deconamine	Pseudoephedrine
Decongestant Syrup	Pseudoephedrine
Dex-A-Diet	Norephedrine
Dexatrim	Norephedrine
Dextrolysergic acid levo-2-propanolamine	Ergometrine
D-Feda	Pseudoephedrine
Diadax	Norephedrine
9,10-Didehydro- <i>N</i> -(2-hydroxy-1-methylethyl)-6-methylergoline-8 β -carboxamide	Ergometrine
9,10-Didehydro- <i>N</i> -[(<i>S</i>)-2-hydroxy-1-methylethyl]-6-methylergoline-8 β -carboxamide	Ergometrine
[8 β (<i>S</i>)]-9,10-Didehydro- <i>N</i> -(2-hydroxy-1-methylethyl)-6-methylergoline-8 β -carboxamide	Ergometrine
9,10-Didehydro-6-methylergoline-8 β -carboxylic acid	Lysergic acid
(8 β)-9,10-Didehydro-6-methylergoline-8-carboxylic acid	Lysergic acid
Diethoxyethane	Ethyl ether
Diethyl ether	Ethyl ether
Diethyl oxide	Ethyl ether
Diet Plan with Diadax	Norephedrine
Diet Aid	Norephedrine
3,4-Dihydroxybenzaldehyde methylene ketal	Piperonal
Dimacol	Pseudoephedrine
Diméthylcétal	Acetone
Diméthylcétone	Acetone

<i>Name</i>	<i>Substance</i>
3,4-Dimethylenedioxybenzaldehyde	Piperonal
Diméthylformaldéhyde	Acetone
Dimethylketone	Acetone
Dioxyde d'éthyle	Ethyl ether
Dioxymethyleneprotocatechuic aldehyde	Piperonal
Dipping acid	Sulphuric acid
Disophrol	Pseudoephedrine
Dorcol	Pseudoephedrine
Drixora	Pseudoephedrine
Drixoral	Pseudoephedrine
Dwuetylowy eter	Ethyl ether
Eciphin	Ephedrine
Ectasule-minus	Ephedrine
Efedrin, -a, -e	Ephedrine
Efedron	Ephedrine
Efetonina	Ephedrine
Effergot	Ergotamine
Eggophedrin, -e	Ephedrine
Elton	Pseudoephedrine
Emprazil	Pseudoephedrine
Endrine	Ephedrine
Ephedral	Ephedrine
Ephedrate	Ephedrine
Ephedremal	Ephedrine
Ephedrin, -a, -e, -um	Ephedrine
(-)-Ephedrin, -e	Ephedrine
Ephedrine	see Table I
Ephédrine	Ephedrine
l-Ephedrin, -e	Ephedrine
l(-)-Ephedrine	Ephedrine
(-)-(1R,2S)-Ephedrine	Ephedrine
(-)-erythro-Ephedrine	Ephedrine
l(R),2(S)-erythro-(-)-Ephedrine	Ephedrine
trans-Ephedrine	Pseudoephedrine
dl-Ephedrinum	Ephedrine
Ephedrital	Ephedrine
Ephedrivo	Ephedrine
Ephedrol	Ephedrine
Ephedronguent	Ephedrine
Ephedrosan	Ephedrine
Ephedrosst	Ephedrine
Ephedrotal	Ephedrine
Ephedsol	Ephedrine
Ephetonin, -e	Ephedrine
Ephoxamin	Ephedrine
Ergam	Ergotamine
Ergate	Ergotamine
Ergkatal	Ergotamine
Ergine	Lysergic acid
Ergoatetrine	Ergometrine
Ergobasine	Ergometrine
Ergocaf	Ergotamine
Ergo Caffein	Ergotamine
Ergofar	Ergometrine
Ergoklinine	Ergometrine
Ergoline-8 β -carboxamide, 9,10 didehydro- <i>N</i> -(2-hydroxy-1-methylethyl)-6-methyl-, [8 β (S)]	Ergometrine
Ergoline-8 β -carboxylic acid, 9,10-didehydro-6-methyl-	Lysergic acid
Ergomal	Ergometrine
Ergomar	Ergotamine

<i>Name</i>	<i>Substance</i>
Ergomar "Nordson"	Ergometrine
Ergomed	Ergometrine
Ergomet	Ergometrine
Ergometrin, -a, -i, -um	Ergometrine
Ergometrine	see Table I
Ergométrine	Ergometrine
Ergometrinin, -e	Ergometrine
Ergonine	Ergometrine
Ergonovin, -e, -um	Ergometrine
Ergostabil	Ergometrine
Ergostat	Ergotamine
Ergostetrine	Ergometrine
Ergotaman-3',6',18'-trione,12'-hydroxy-2'-methyl-5'- (phenylmethyl)-,(5''')	Ergotamine
Ergotamin, -a, -i, -um	Ergotamine
Ergotamine	see Table I
Ergotaminine	Ergotamine
Ergotan	Ergotamine
Ergotan-A	Ergotamine
Ergotartrat	Ergotamine
Ergotatropin	Ergotamine
Ergotocine	Ergometrine
Ergoton-A	Ergotamine
Ergoton-B	Ergometrine
Ergotrate	Ergometrine
Ermalate	Ergometrine
Ermetrin, -e	Ergometrine
Esprit pyroligneux	Acetone
Étérfilico	Ethyl ether
Eter sulfurico	Ethyl ether
Ethane,1,1'-oxybis-	Ethyl ether
Ethane oxyéthane	Ethyl ether
Ethanoic acid anhydride	Acetic anhydride
Ethanoic anhydrate	Acetic anhydride
Ethanoic anhydride	Acetic anhydride
Ether	Ethyl ether
Ether éthylique	Ethyl ether
Ether pro narcosi	Ethyl ether
Ether sulfurique	Ethyl ether
Ethoxyethane	Ethyl ether
Ethyl ether	see Table II
Ethyl methyl ketone	Methyl ethyl ketone
Ethyl oxide	Ethyl ether
Etin	Ergotamine
Exmigra	Ergotamine
Exmigrex	Ergotamine
Fasupond	Norephedrine
Feda	Pseudoephedrine
D-Feda	Pseudoephedrine
Fedahist	Pseudoephedrine
Fedrazil	Pseudoephedrine
Fedrine	Ephedrine
Fema No. 2878	Phenylacetic acid
Femergen	Ergotamine
Fenilpropanolamina	Norephedrine
1-Fenil-2-propanona	1-Phenyl-2-propanone
First Sign	Pseudoephedrine
5-Formylbenzodioxole	Piperonal
5-Formyl-1,3-benzodioxole	Piperonal
Fugoa	Norephedrine
Fugoa N	Norephedrine

<i>Name</i>	<i>Substance</i>
Galpseud	Pseudoephedrine
Geliotropin	Piperonal
Gotamine	Ergotamine
Gynergen	Ergotamine
Halin	Pseudoephedrine
Halofed	Pseudoephedrine
Heliotropin, -e	Piperonal
Help	Norephehrine
Hemogen	Ergometrine
4,6,6a,7,8,9-Hexahydro-7-methylindole[4,3-fg]quinoline-9-carboxylic acid	Lysergic acid
(6aR,9R)-4,6,6a,7,8,9-Hexahydro- <i>N</i> -[(2S)-1-hydroxyprop-2-yl]-7-methyl-indolo[4,3-fg]quinoline-9-carboxamide	Ergometrine
Hexahydropyridin, -e	Piperidine
Hexazane	Piperidine
Histalet	Pseudoephedrine
Hydrochloric acid	see Table II
Hydrochloride acid	Hydrochloric acid
Hydrogen chloride	Hydrochloric acid
Hydrogen sulfat	Sulphuric acid
Hydroot	Sulphuric acid
1-Hydroxy-2-methylamino-1-phenylpropane	Ephedrine
"-Hydroxy-β-methylaminopropylbenzene	Ephedrine
	Pseudoephedrine
Hydroxymethylethyllysergamide	Ergometrine
<i>N</i> -[1-(Hydroxymethyl)ethyl]- <i>D</i> -lysergamide	Ergometrine
<i>N</i> -(2-Hydroxy-1-methylethyl)- <i>D</i> (+)-lysergamide	Ergometrine
<i>N</i> -[(<i>S</i>)-2-Hydroxy-1-methylethyl]lysergamide	Ergometrine
<i>N</i> -[(<i>S</i>)-2-Hydroxy-1-methylethyl]- <i>D</i> -lysergamide	Ergometrine
<i>N</i> -["-(Hydroxymethyl)ethyl]- <i>D</i> -lysergamide	Ergometrine
("R,βR)-β-Hydroxy-"-methylphenethyl- <i>N</i> -methylammonium chloride	Pseudoephedrine
(+)-("S,βS)-β-Hydroxy-"-methylphenethyl- <i>N</i> -methylammonium chloride	Pseudoephedrine
12'-Hydroxy-2'-methyl-5'''-(phenylmethyl)-ergotaman-3',6',18-trione	Ergotamine
12'-Hydroxy-2'-methyl-3',6',18-trioxo-5-benzylergotaman	Ergotamine
(5' <i>S</i>)-12'-Hydroxy-2'-methyl-3',6',18-trioxo-5-benzylergotaman-(+)-	Ergotamine
(-)-(1 <i>R</i> ,2 <i>S</i>)- <i>N</i> -(1-Hydroxy-1-phenylprop-2-yl)- <i>N</i> -methylammonium HCl	Ephedrine
Hydroxypropyllysergamide	Ergometrine
(+)- <i>N</i> -[(2 <i>S</i>)-1-Hydroxyprop-2-yl]- <i>D</i> -lysergamide	Ergometrine
Indolo-(4,3-fg)-quinoline, ergotamin-3',6',18-trione	Ergotamine
Intensin	Pseudoephedrine
I-Sedrin	Ephedrine
Isoclor	Pseudoephedrine
Isoephedrine	Pseudoephedrine
d-Isoephedrine	Pseudoephedrine
Isopedrin	Pseudoephedrine
Isopedrol	Ephedrine
Isolysergic acid	Lysergic acid
Iso-phedrize	Ephedrine
Isosafrol	Isosafrole
Isosafrole	see Table I
Kalii Permanganas	Potassium permanganate
Kaliumpermanganat	Potassium permanganate
Ketobutan	Methyl ethyl ketone

<i>Name</i>	<i>Substance</i>
β-Ketonepropane	Acetone
β-Ketopropane	Acetone
Kontexin	Norephedrine
Kratedyn	Ephedrine
Kronofed-A	Pseudoephedrine
Lanatrata	Ergotamine
Lexofedrin	Ephedrine
Lexophedrine	Ephedrine
Linctifed	Pseudoephedrine
Lingraine	Ergotamine
Lingrän	Ergotamine
Lingrene	Ergotamine
Lysergic acid	see Table I
D-Lysergic acid	Lysergic acid
(+)-Lysergic acid	Lysergic acid
D(+)-Lysergic acid	Lysergic acid
D(+)-Lysergic acid-β-hydroxyisopropylamide	Ergometrine
D-Lysergic acid 1-(hydroxymethyl)ethylamide	Ergometrine
D-Lysergic acid 2-hydroxy-1-methylethylamide	Ergometrine
D-Lysergic acid-1,2-propanolamide	Ergometrine
Margonovine	Ergometrine
Matting acid	Sulphuric acid
Maxiphed	Pseudoephedrine
MDP2P	3,4-Methylenedioxyphenyl-2-propanone
3,4-MDP-2-P	3,4-Methylenedioxyphenyl-2-propanone
MEC	Methyl ethyl ketone
Medihaler-Ergotamine	Ergotamine
MEETCO	Methyl ethyl ketone
MEK	Methyl ethyl ketone
Methacid, -e	Toluene
Methane, phenyl-	Toluene
Methyl acetone	Methyl ethyl ketone
[R-(R*,S*)]-"-[1-(Methylamino)ethyl]benzenemethanol	Ephedrine
[S-(R*,R*)]-"-[1-(Methylamino)ethyl]benzenemethanol	Pseudoephedrine
"-[1-(Methylamino)ethyl]benzene methanol	Ephedrine
"-[1-(Methylamino)ethyl]benzyl alcohol	Pseudoephedrine
"-[1-(Methylamino)ethyl]benzyl alcohol	Ephedrine
dl-"-[1-(Methylamino)ethyl]benzyl alcohol	Ephedrine
2-Methylamino-1-phenyl-1-propanol	Ephedrine
2-Methylamino-1-phenylpropan-1-ol	Pseudoephedrine
2-Methylamino-1-phenylpropanol	Ephedrine
(1R,2S)-2-Methylamino-1-phenyl-1-propanol	Ephedrine
(1R,2S)-2-Methylamino-1-phenylpropan-1-ol	Ephedrine
(+)-2-Methylamino-1-phenylpropan-1-ol	Pseudoephedrine
(+)-(1S,2R)-2-(Methylamino)-1-phenyl-1-propanol	Pseudoephedrine
(+)-(1S,2S)-2-(Methylamino)-1-phenylpropan-1-ol	Pseudoephedrine
DL-threo-2-(Methylamino)-1-phenylpropan-1-ol	Pseudoephedrine
Methylbenzene	Toluene
Methylbenzol	Toluene
Methyl benzyl ketone	1-Phenyl-2-propanone
Methyl ketone	Acetone
1,2-Methylenedioxy-4-allyl-benzene	Safrole
3,4-Methylenedioxy-allylbenzene	Safrole
3,4-(Methylenedioxy)benzaldehyde	Piperonal
3,4-Methylenedioxybenzyl methyl ketone	3,4-Methylenedioxyphenyl-2-propanone
3,4-Methylenedioxy-4-(isopropenyl)-benzene	Isosafrole

Name

3,4-Methylenedioxyphenylacetone
3,4-Methylenedioxyphenyl-2-propanone
 1-(3,4-Methylenedioxyphenyl)-2-propanone
 Méthylènedioxy-3,4-phényl propanone-2
 1,2-(Methylenedioxy)-4-propenylbenzene
 1,2-(Methylenedioxy)-4-propen-2-ylbenzene
 3,4-(Methylenedioxy)-1-propenylbenzene
 Méthyléthylcétone
Methyl ethyl ketone
N-Methylnorephedrine
 Methyl piperonyl ketone
 3,4-Metilendioxyfenil-2-propanona
 Metiletilcetona
 Metriclavin, -e
 Metrisanol
 Migral Rigetamine
 Migretamine
 Migril
 Migwell
 Minims ephedrine (hydrochloride)
 Monydrin
 Mucorama
 Muriatic acid
 Mydriatin
 Myfedrine
 Naldegescic
 Narixan
 Nasa-12
 Nasol
 NCI-CO1730
 NCI-CO7272
 NCI-C55652
 Neo-ergotin
 Neofed
 Neofemergen
 Neo-Femergen
 Nordhausen acid
Norephedrine
 Novafed 120
 Novahistine
 Novergo
 Obestat
 Octowy bezwodnik
 Oil of Vitriol
 Oranyl
 Otrinol
 3-Oxapentane
 8H-Oxazolo(3,2-a)pyrrolo(2,1-c)pyrazine, ergotam-
 3',6',18-trione
 Oxido acetico
 Oxido de acetilo
 2-Oxobutane
 Oxybisethane
 1-1'-Oxybis[ethane]
 Oxyde acétique
 Oxyde acétylique
 Oxyde d'éthyle
 P2P
 PAA
 Pandril

Substance

3,4-Methylenedioxyphenyl-2-propanone
see Table I
 3,4-Methylenedioxyphenyl-2-propanone
 3,4-Methylenedioxyphenyl-2-propanone
 Isosafrole
 Isosafrole
 Isosafrole
 Methyl ethyl ketone
see Table II
 Ephedrine
 3,4-Methylenedioxyphenyl-2-propanone
 3,4-Methylenedioxyphenyl-2-propanone
 Methyl ethyl ketone
 Ergometrine
 Ergometrine
 Ergotamine
 Ergotamine
 Ergotamine
 Ergotamine
 Ephedrine
 Ephedrine
 Norephedrine
 Norephedrine
 Hydrochloric acid
 Norephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Ephedrine
 Anthranilic acid
 Toluene
 Ephedrine
 Ergotamine
 Pseudoephedrine
 Ergometrine
 Ergometrine
 Sulphuric acid
See Table I
 Pseudoephedrine
 Pseudoephedrine
 Ergometrine
 Norephedrine
 Acetic anhydride
 Sulphuric acid
 Pseudoephedrine
 Pseudoephedrine
 Ethyl ether
 Ergotamine
 Acetic anhydride
 Acetic anhydride
 Methyl ethyl ketone
 Ethyl ether
 Ethyl ether
 Acetic anhydride
 Acetic anhydride
 Ethyl ether
 1-Phenyl-2-propanone
 Phenylacetic acid
 Ephedrine

<i>Name</i>	<i>Substance</i>
Panergal	Ergometrine
Paragesic	Pseudoephedrine
PediaCare	Pseudoephedrine
Pentamethyleneamine	Piperidine
Pentamethylenimin, -e	Piperidine
Perhydropyridine	Piperidine
Permanganate de potassium	Potassium permanganate
Permanganate of potash	Potassium permanganate
Permanganato potásico	Potassium permanganate
Permanganic acid, potassium salt	Potassium permanganate
Phenergan-D	Pseudoephedrine
Phenoxine	Norephedrine
Phenylacetic acid	see Table II
2-Phenylacetic acid	Phenylacetic acid
w-Phenylacetic acid	Phenylacetic acid
Phenylacetone	1-Phenyl-2-propanone
"-Phenylacetone	1-Phenyl-2-propanone
Phenyl-drine	Norephedrine
Phenylethanoic acid	Phenylacetic acid
1-Phenyl-2-amino-1-propanol	Norephedrine
1-Phenyl-1-hydroxy-2-methylaminopropane	Ephedrine
	Pseudoephedrine
Phenyl methane	Toluene
1-Phenyl-2-methylaminopropanol	Ephedrine
	Pseudoephedrine
1-Phenyl-2-methylamino-1-propanol	Ephedrine
	Pseudoephedrine
1-Phenyl-2-methylaminopropanol-1	Ephedrine
Phenylmethyl methyl ketone	1-Phenyl-2-propanone
1-Phenyl-2-oxopropane	1-Phenyl-2-propanone
Phenylpropanolamine	Norephedrine
Phénylpropanolamine	Norephedrine
Phenylpropanolaminum	Norephedrine
Phenyl-2-propanone	1-Phenyl-2-propanone
Phényl-1 propanone-2	1-Phenyl-2-propanone
1-Phenyl-2-propanone	see Table I
3-Phenyl-2-propanone	1-Phenyl-2-propanone
Piperidin, -a	Piperidine
Piperidine	see Table II
Pipéridine	Piperidine
Piperonal	see Table I
Pipéronal	Piperonal
Piperonalacetone	3,4-Methylenedioxyphenyl-2-propanone
Piperonaldehyde	Piperonal
Piperonylaldehyde	Piperonal
Piperonyl methyl ketone	3,4-Methylenedioxyphenyl-2-propanone
PMK	3,4-Methylenedioxyphenyl-2-propanone
Polaramine	Pseudoephedrine
Potassium permanganate	see Table I
P2P	1-Phenyl-2-propanone
Proasthmin	Ephedrine
Procol	Norephedrine
Profedrine	Pseudoephedrine
Pronarcol	Ethyl ether
Propadrine	Norephedrine
Propagest	Norephedrine
2-Propanon, -e	Acetone
Propanone	Acetone
Propan-2-one	Acetone
2-Propanone, 1-(1,3-benzodioxol-5-yl)-	3,4-Methylenedioxyphenyl-2-propanone

Name

2-Propanone, 1-[3,4-(methylenedioxy)phenyl]-
 2-Propanone, 1-phenyl
 5-(1-Propenyl)-1,3-benzodioxole
 5-(2-Propenyl)-1,3-benzodioxole
 4-Propenylcatechol methylene ether
 4-Propenyl-1,2-methylenedioxybenzene
 Protocatechualdehyde methylene ether
 Protocatechuic aldehyde methylene ether
Pseudoephedrine
 Pseudo-éphédrine
 d-Pseudoephedrine
 (+)-Pseudoephedrine
 L-(+)-Pseudoephedrine
 (+)-(1S,2S)-Pseudoephedrine
 Pseudoephedrine Polistirex
 Pseudofrin
 Pyroacetic acid
 Pyroacetic ether
 Quetena de metilo
 Racephedrine
 RCRA Waste Number U117
 RCRA Waste Number U141
 RCRA Waste Number U159
 RCRA Waste Number U203
 RCRA Waste Number U220
 Repedrina
 Restaslim
 Reukap
 Rhinalair
 Rhindecon
 Rhyuno oil
 Rigetamine
 Rinexin
 Robidrine
 Robitussin
 Rocof
 Ro-Fedrin
 Rondec
 Sacetyl
 Safrol
Safrole
 Safrole MF
 Sal-Phedrine
 Salzsäure
 Samedrine
 Sancos Co
 Sanephedrine
 Schwefelsäure
 Secacornine
 Secagyn
 Secometrin, -e
 Secupan
 Seudoefedrina
 Seudotabs
 Shikimol, -e
 Sinarest
 Sine-Aid
 Sine-Off
 Sinufed
 Slim Caps
 Solvent ether

Substance

3,4-Methylenedioxyphenyl-2-propanone
 1-Phenyl-2-propanone
 Isosafrole
 Safrole
 Isosafrole
 Isosafrole
 Piperonal
 Piperonal
see Table I
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Acetone
 Acetone
 Acetone
 Ephedrine
 Ethyl ether
 Isosafrole
 Methyl ethyl ketone
 Safrole
 Toluene
 Pseudoephedrine
 Norephedrine
 Ephedrine
 Pseudoephedrine
 Norephedrine
 Safrole
 Ergotamine
 Norephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Norephedrine
 Safrole
see Table I
 Safrole
 Ephedrine
 Hydrochloric acid
 Ephedrine
 Pseudoephedrine
 Ephedrine
 Sulphuric acid
 Ergometrine
 Ergotamine
 Ergometrine
 Ergotamine
 Pseudoephedrine
 Pseudoephedrine
 Safrole
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Pseudoephedrine
 Norephedrine
 Ethyl ether

Name

Spaneph
Spent sulfuric acid
Spirit of salt
Spirit of sulfur
Spray-U-Thin
Stay Trim
Sucrets
Sudafed
Sudanyl
Sudelix
Sudomyl
Sufedrin
Sufrol
Sulfuric acid
Sulfuric ether
Sulphuric acid
Suolelix
Symptom 2
Syntometrine
Syrтуссар
Takimetrin
Tinaroc
Toluene
Toluène
Tolueno
"-Toluic acid
Toluol
Tolu-sol
Toluylic acid
"-Tolylic acid
Triocos
Triphed
Tusaphed
Tussafed
Tussifed
Tylenol
Unitrol
Ursinus
Uteron
Vencipon
Vitamin L
Vitamino L1
Vitriol brown oil
Vitriol, oil of
Wal-Phed
Westrim
Wigraine
Zephrol

Substance

Ephedrine
Sulphuric acid
Hydrochloric acid
Sulphuric acid
Norephedrine
Norephedrine
Norephedrine
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Sulphuric acid
Sulphuric acid
Ethyl ether
see Table II
Pseudoephedrine
Pseudoephedrine
Ergometrine
Norephedrine
Ergometrine
Norephedrine
see Table II
Toluene
Toluene
Phenylacetic acid
Toluene
Toluene
Phenylacetic acid
Phenylacetic acid
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Pseudoephedrine
Ergometrine
Ephedrine
Anthranilic acid
Anthranilic acid
Sulphuric acid
Sulphuric acid
Pseudoephedrine
Norephedrine
Ergotamine
Ephedrine

**PART THREE: TABLE SHOWING THE PURE ANHYDROUS BASE CONTENT
OF SOME SCHEDULED SUBSTANCES IN THEIR SALT FORM**

Substance	Base or salt	Approximate pure anhydrous base content (percentage)
Ephedrine	Base hemihydrate (0.5H ₂ O)	95
	Hydrochloride	82
	Nitrate	72
	Sulphate (2 mol. base)	77
Ergometrine	Hydrochloride	90
	Maleate	74
	Oxalate	82
	Tartrate (2 mol. base)	81
Ergotamine	Hydrochloride	94
	Succinate (2 mol. base)	91
	Tartrate (2 mol. base)	89
Norephedrine	Hydrochloride	80
Piperidine	Aurichloride	20
	Bitartrate	36
	Hydrochloride	70
	Nitrate	58
	Phosphate	46
	Picrate	27
	Platinichloride (2 mol. base)	29
	Thiocyanate	59
Pseudoephedrine	Hydrochloride	82
	Sulphate (2 mol. base)	77

The above table of conversion factors should be used to convert quantities of scheduled substances in their salt form into quantities of pure anhydrous base.