

Name	Category	CAS Registry Number **	FR Reference	Date Added	Other Names **
(1-bromocyclopentyl)(2-chlorophenyl)methanone	Chemical	6740-86-9	90 FR 23711	6/4/2025	1-bromocyclopentyl 2-chlorophenyl ketone
(2-chlorophenyl)(cyclopentyl)methanone	Chemical	6740-85-8	90 FR 23711	6/4/2025	2-chlorophenyl cyclopentyl ketone; <i>O</i> -chlorophenyl cyclopentyl ketone
1-((2-chlorophenyl)(methylimino)methyl)cyclopentane-1-ol	Chemical	6740-87-0	90 FR 23711	6/4/2025	1-(o-chloro-N-methylbenzimidoyl)-cyclopentanol
1-(4-bromophenyl)propan-1-one *	Chemical	10342-83-3	88 FR 73044	10/24/2023	1-(4-bromophenyl)-1-propanone; 4-bromophenyl ethyl ketone; 4'-bromopropiophenone
1-(4-chlorophenyl)propan-1-one *	Chemical	6285-05-8	88 FR 73044	10/24/2023	1-(4-chlorophenyl)-1-propanone; 4-chlorophenyl ethyl ketone; 4'-chloropropiophenone
1-(4-methylphenyl)-propan-1-one *	Chemical	5337-93-9	88 FR 73044	10/24/2023	1-(4-methylphenyl)-1-propanone; 4-methylphenyl ethyl ketone; 4'-methylpropiophenone
1,1,2-trichlorotrifluoroethane	Chemical	76-13-1	64 FR 25910	5/13/1999	chlorofluorocarbon 113; FREON 113; CFC 113; FCC 113; trichlorotrifluoroethane; 1,1,2-trichloro-1,2,2-trifluoroethane
1,1'-carbonyldiimidazole	Chemical	530-62-1	64 FR 25910	5/13/1999	<i>N,N'</i> -carbonyldiimidazole
1,1-dichloro-1-fluoroethane	Chemical	1717-00-6	64 FR 25910	5/13/1999	chlorofluorocarbon 141B; FREON 141B; HCFC 141b; 1,1-dichloro-1-fluoroethane; dichloro-fluoroethane; FCC 141B
1-benzylpiperidin-4-one *	Chemical	3612-20-2	88 FR 73044	10/24/2023	<i>N</i> -benzyl-4-piperidinone; <i>N</i> -benzyl-piperidone
1-boc-4-piperidinol	Chemical	109384-19-2	90 FR 23711	6/4/2025	tert-butyl 4-hydroxypiperidine-1-carboxylate; 1-boc-piperidin-4-ol; 1-boc-4-hydroxypiperidine
1-boc-norcarfentanil	Chemical	1159835-40-1	90 FR 23711	6/4/2025	1-(tert-butyl)-4-methyl 4-(<i>N</i> -phenylpropionamido)piperidine-1,4-dicarboxylate; 1-(1,1-dimethylethyl) 4-methyl 4-((1-oxopropyl)phenylamino)-1,4-piperidinedicarboxylate
1-chloro-2,4-dinitrobenzene	Chemical	97-00-7	90 FR 23711	6/4/2025	1,3-dinitro-4-chlorobenzene; 2,4-Dinitro-1-chlorobenzene
1-chloro- <i>N</i> -methyl-1-phenylpropan-2-amine *	Chemical	25394-33-6	88 FR 73044	10/24/2023	chloroephedrine (110925-64-9) chloropseudoephedrine (73393-61-0)
1-phenylbutan-1-one *	Chemical	495-40-9	88 FR 73044	10/24/2023	1-phenyl-1-butanone; butyrophenone; 1-benzoylpropane; phenyl propyl ketone; propyl phenyl ketone
1-phenylpentan-1-one *	Chemical	1009-14-9	88 FR 73044	10/24/2023	valerophenone; pentanophenone; phenyl butyl ketone
1-phenylpropan-1-one *	Chemical	93-55-0	88 FR 73044	10/24/2023	propiophenone; ethyl phenyl ketone; propionylbenzene
2-(1,3-benzodioxol-5-yl)-3-oxobutanoic acid #	Chemical	N/A	90 FR 23711	6/4/2025	2-(benzo[<i>d</i>](1,3)dioxol-5-yl)-3-oxobutanoic acid
2,5-dimethoxyphenethylamine*	Chemical	3600-86-0	64 FR 25910	5/13/1999	2-methoxy-2(3-methoxyphenyl)ethanamine ; benzeneethanamine; 2C-H
2-bromo-1-(4-chlorophenyl)propan-1-one *	Chemical	877-37-2	88 FR 73044	10/24/2023	2-bromo-4'-chloropropiophenone; <i>alpha</i> -bromo-4'-chloropropiophenone
2-bromo-1-(4-methoxyphenyl)propan-1-one *	Chemical	21086-33-9	88 FR 73044	10/24/2023	2-bromo-4'-methoxypropiophenone; <i>alpha</i> -bromo-4'-methoxypropiophenone
2-bromo-1-(4-methylphenyl)propan-1-one *	Chemical	1451-82-7	88 FR 73044	10/24/2023	2-bromo-1-(4-methylphenyl)-1-propanone; 2-bromo-4'-methylpropiophenone; 2-bromo-4'-methylpropiophenone; <i>alpha</i> -bromo-4-methylpropiophenone
2-bromo-1-phenylpentan-1-one *	Chemical	49851-31-2	88 FR 73044	10/24/2023	2-bromovalerophenone; 2-bromo-1-phenyl-1-pentanone

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2-bromo-1-phenylpropan-1-one *	Chemical	2114-00-3	88 FR 73044	10/24/2023	2-bromopropiophenone; <i>alpha</i> -bromopropiophenone; 1-benzoyl-1-bromoethane
3-methyl-3-phenyloxirane-2-carboxylic acid * #	Chemical	5669-15-8	88 FR 73044	10/24/2023	BMK glycidic acid; P2P glycidic acid; 3-methyl-3-phenylglycidic acid <u>Esters</u> : methyl 3-methyl-3-phenyloxirane-2-carboxylate (BMK methyl glycidate); ethyl 3-methyl-phenyloxirane-2-carboxylate (BMK ethyl glycidate)
3-oxo-2-phenylbutanoic acid * #	Chemical	4433-88-9	88 FR 73044	10/24/2023	2-phenylacetoacetic acid; 3-oxo-2-phenylbutyric acid; <i>alpha</i> -acetylbenzeneacetic acid; <i>alpha</i> -phenylacetoacetic acid <u>Ester</u> : ethyl 3-oxo-2-phenylbutanoate (EAPA)
4-anilino-1-benzylpiperidine	Chemical	1155-56-2	90 FR 23711	6/4/2025	<i>N</i> -benzyl-4-anilinopiperidine; 1-benzyl- <i>N</i> -phenylpiperidin-4-amine
4-carbomethoxy 4-ANPP	Chemical	61085-55-0	90 FR 23711	6/4/2025	despropionyl carfentanil; methyl 4-(phenylamino)-1-(2-phenylethyl)-4-piperidinecarboxylate
4-nitro-1,2-phenylenediamine	Chemical	99-56-9	90 FR 23711	6/4/2025	4-nitro-1,2-benzenediamine; 3,4-diaminonitrobenzene; 4-nitro-2-aminoaniline
4-piperidinol	Chemical	5382-16-1	90 FR 23711	6/4/2025	4-hydroxypiperidine; piperidin-4-ol
5-(2-nitroprop-1-en-1-yl)benzodioxole *	Chemical	5438-41-5	88 FR 73044	10/24/2023	3,4-methylenedioxyphenyl-2-nitropropene; 3,4-MDP2NP; 1,2-methylenedioxy-4-(2-nitropropenyl)-benzene
ammonia gas	Chemical	7664-41-7	64 FR 25910	5/13/1999	anhydrous ammonia
ammonium formate	Chemical	540-69-2	64 FR 25910	5/13/1999	formic acid ammonium salt
azobisisobutyronitrile *	Chemical	78-67-1	88 FR 73044	10/24/2023	2,2'-(1,2-diazenediyl)bis[2-methyl-propanenitrile; 2,2'-azobis(2-cyanopropane); <i>N,N</i> -azobis(isobutyronitrile)
bromobenzene	Chemical	108-86-1	64 FR 25910	5/13/1999	monobromobenzene; phenyl bromide
butane-1,4-diol	Chemical	110-63-4	88 FR 73044	10/24/2023	1,4-butanediol; 1,4-butylene glycol; 1,4-tetramethylene glycol
cyclohexanone	Chemical	108-94-1	64 FR 25910	5/13/1999	ketohexamethylene; pimelic ketone; anone; nadone; cyclohexyl ketone
diethyl 2-(2-phenylacetyl)malonate	Chemical	20320-59-6	90 FR 23711	6/4/2025	1,3-diethyl 2-(2-phenylacetyl)propanedioate; DEPAPD
diethylamine*	Chemical	109-89-7	64 FR 25910	5/13/1999	<i>N</i> -ethylethanamine
ethyl 3-oxo-4-phenylbutanoate *	Chemical	718-08-1	88 FR 73044	10/24/2023	4-phenyl-acetoacetic acid ethyl ester; 3-oxo-4-phenylbutanoic acid ethyl ester; 4-phenyl-3-oxobutanoic acid ethyl ester; ethyl 4-phenylacetoacetate
ethyl-3-(1,3-benzodioxol-5-yl)-2-methyloxirane-2-carboxylate * #	Chemical	28578-16-7	88 FR 73044	10/24/2023	3-(1,3-benzodioxol-5-yl)-2-methyl-2-oxiranecarboxylic acid ethyl ester; 2-methyl-3-[3,4-(methylenedioxy)phenyl]-glycidic acid ethyl ester; 3,4-MDP-2-P ethyl glycidate <u>Esters</u> : ethyl-3-(1,3-benzodioxol-5-yl)-2-methyloxirane-2-carboxylate
formamide	Chemical	75-12-7	64 FR 25910	5/13/1999	methanamide; carbamaldehyde

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formic acid	Chemical	64-18-6	64 FR 25910	5/13/1999	aminic acid; methanoic acid
Isopropylidene (2-(3,4-methylenedioxyphenyl)acetyl)malonate	Chemical	N/A	90 FR 23711	6/4/2025	IMDPAM
List I chemicals	Chemical		64 FR 25910	5/13/1999	
List II chemicals	Chemical		64 FR 25910	5/13/1999	
lithium aluminum hydride	Chemical	16853-85-3	64 FR 25910	5/13/1999	lithium tetrahydroaluminate; lithium alanate; LAH
lithium metal	Chemical	7439-93-2	64 FR 25910	5/13/1999	
magnesium metal	Chemical	7439-95-4	64 FR 25910	5/13/1999	magnesium, magnesium turnings
mercuric chloride	Chemical	7487-94-7	64 FR 25910	5/13/1999	mercury bichloride; mercury dichloride; mercury perchloride; corrosive mercury chloride; mercury(II) chloride
methyl 2-(1,3-benzodioxol-5-yl)-3-oxobutanoate *	Chemical	1369021-80-6	88 FR 73044	10/24/2023	MAMDPA; MDMAPA; methyl 3-oxo-2-(3,4-methylenedioxyphenyl)butanoate; methyl <i>alpha</i> -acetyl-1,3-benzodioxole-5-acetate
<i>N,N</i> -diethylethylenediamine	Chemical	100-36-7	90 FR 23711	6/4/2025	2-(Diethylamino)ethanamine; N-(2-Aminoethyl)-N,N-diethylamine
N-methylformamide	Chemical	123-39-7	64 FR 25910	5/13/1999	monomethylformamide
norcarfentanil	Chemical	72996-78-2	90 FR 23711	6/4/2025	4-((1-oxopropyl)phenylamino)-4-piperidinecarboxylic acid methyl ester
organomagnesium halides (Grigard Reagents)	Chemical		64 FR 25910	5/13/1999	
ortho-toluidine	Chemical	95-53-4	64 FR 25910	5/13/1999	2-aminotoluene; ortho-methylaniline; o-toluidine; 2-methylaniline; 2-methylbenzamine
para-methyl boc-4-AP	Chemical	501673-99-0	90 FR 23711	6/4/2025	tert-butyl 4-(4-methylanilino)piperidine-1-carboxylate; 1,1-dimethylethyl 4-((4-methylphenyl)amino)-1-piperidinecarboxylate
phenethyl bromide *	Chemical	103-63-9	88 FR 73044	10/24/2023	(2-bromoethyl)benzene; 1-bromo-2-phenylethane; 2-phenyl-1-bromoethane; <i>beta</i> -phenethyl bromide
phenyl-2-nitropropene	Chemical	705-60-2	88 FR 73044	10/24/2023	(2-nitroprop-1-en-1-yl)benzene (P2NP)
phenylethanolamine*	Chemical	7568-93-6	64 FR 25910	5/13/1999	2-amino-1-phenylethanol; <i>alpha</i> -(aminomethyl)benzenemethanol; <i>alpha</i> -(aminomethyl)-benzyl alcohol; 2-amino-1-phenylethanol; <i>beta</i> -hydroxyphenethylamine
phosphorus pentachloride	Chemical	10026-13-8	64 FR 25910	5/13/1999	phosphoric chloride; phosphorus perchloride
potassium dichromate	Chemical	7778-50-9	64 FR 25910	5/13/1999	potassium bichromate
propionyl chloride *	Chemical	79-03-8	88 FR 73044	10/24/2023	chloro ethyl ketone; ethyl chloroform; prorionyl chloride
pyridine*	Chemical	110-86-1	64 FR 25910	5/13/1999	azabenzene; azine
sodium borohydride	Chemical	16940-66-2	88 FR 73044	10/24/2023	boron sodium hydride
sodium dichromate	Chemical	10588-01-9	64 FR 25910	5/13/1999	sodium bichromate; bichromate of soda
sodium metal	Chemical	7440-23-5	64 FR 25910	5/13/1999	natruium
sodium triacetoxymborohydride	Chemical	56553-60-7	88 FR 73044	10/24/2023	sodium borohydride acetate

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thioglycolic acid * #	Chemical	68-11-1	88 FR 73044	10/24/2023	2-mercaptoacetic acid; 2-sulfanylacetic acid; sulfhydrylacetic acid <u>Esters</u> : methyl thioglycolate
thionyl chloride	Chemical	2125597	64 FR 25910	5/13/1999	sulfurous oxychloride; sulfur chloride oxide
trichloromonofluoromethane	Chemical	75-69-4	64 FR 25910	5/13/1999	trichlorofluoromethane; FREON-11; fluorotrichloromethane; Carrene-2; trichloro(fluoro)methane
22 liter heating mantels	Equipment	N/A	64 FR 25910	5/13/1999	
encapsulating machines	Equipment	N/A	64 FR 25910	5/13/1999	
hydrogenators	Equipment	N/A	64 FR 25910	5/13/1999	
tableting machines	Equipment	N/A	64 FR 25910	5/13/1999	
tableting machines (punches and dies)	Equipment	N/A	88 FR 73044	10/24/2023	
dicalcium phosphate ^	Material	7757-93-9	90 FR 23711	6/4/2025	
magnesium stearate ^	Material	557-04-0	90 FR 23711	6/4/2025	
microcrystalline cellulose ^	Material	9004-34-6	90 FR 23711	6/4/2025	
silicon dioxide ^	Material	7631-86-9	90 FR 23711	6/4/2025	
stearic acid ^	Material	57-11-4	90 FR 23711	6/4/2025	

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