



**Minnesota
Pollution
Control
Agency**

U List of Hazardous Wastes

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Listed hazardous wastes

In Minnesota, a waste may be hazardous for one of these reasons:

- It displays a hazardous waste characteristic
- It is included in one of four lists of hazardous waste – the K, F, P, or U List
- It contains polychlorinated biphenyls (PCBs)

This document will discuss the U List of hazardous wastes.

For more information on the other lists, PCBs, or hazardous waste characteristics, see Minnesota Pollution Control Agency (MPCA) hazardous waste fact sheets #2.00, 2.01, 2.02, 2.04, 2.05, and 4.48a, available on the MPCA's [hazardous waste publications](http://www.pca.state.mn.us/waste/pubs/business.html) webpage, <http://www.pca.state.mn.us/waste/pubs/business.html>.

Explanation of U List

The U List regulates discarded commercial chemical products, manufacturing chemical intermediates, and off-specification commercial chemical products that contain certain ingredients, and any soil or debris contaminated by spills of those products or intermediates.

U List in Minnesota

The MPCA has adopted the federal U List of hazardous wastes, located in Chapter 40 of the Code of Federal Regulations (CFR), part 261.33, as amended. Because Minnesota adopted the federal list, changes made to the list by the U.S. Environmental Protection Agency (EPA) are implemented automatically in Minnesota.

Wastes mixed with listed waste

If a listed waste is mixed with any other waste, the entire mixture then takes on the listed waste's identity and requirements. Examples of listed mixtures include U-listed pharmaceuticals placed into a sharps container or U-listed pesticides mixed into other waste liquids. The resulting sharps container waste and liquids become regulated as U-listed wastes.

Reducing listed waste

Reducing the amount of listed hazardous waste you generate can lower your costs as well as make complying with the regulatory requirements easier. The Minnesota Technical Assistance Program (MnTAP) has staff and resources to help you assess alternate products and processes with a goal of reducing your listed waste generation. For contact information for MnTAP, see the *More information* section.

Sole active ingredient

A waste is regulated under the U List only if the ingredient contained in the list is the sole active ingredient of the product that became waste. *Active ingredients* are those that perform the function of the product, regardless of the concentration of those ingredients. Ingredients used in a product as preservatives, solvents, stabilizers, and adjuncts are not active ingredients unless that is the function of the product.

Examples

- Hydrofluoric acid is the sole active ingredient in some glass etching compounds. These compounds would be U listed as U134 hazardous wastes if disposed of without being used.
- Some rust-remover compounds, however, contain phosphoric and oxalic acids in addition to hydrofluoric acid as active ingredients. These compounds would not be U-listed wastes when disposed of, because the hydrofluoric acid was not the sole active ingredient.
- Finally, some cyanoacrylate adhesive compounds contain hydrofluoric acid as a stabilizer. These compounds would not be U-listed wastes when disposed of because the hydrofluoric acid was not an active ingredient.

Disposed of unused

A waste is only regulated under the U List if it is disposed of without being used for its intended purpose. Dilution or other preparation of the material for use is not considered *use*. *Use* is only the application or purpose that was intended or reasonable for the original compound.

For example, the glass etching compound referenced above would be U listed as U134 hazardous waste if disposed of before use – even if it was diluted or otherwise altered in preparation for use before being discarded. However, when discarded *after* being used to etch glass, it would no longer be a U-listed waste.

Waste not meeting U List definition may still be characteristic hazardous waste

Remember that even though a waste may not or may no longer meet the definition of the U List, it still may display one or more hazardous waste characteristics and therefore remain regulated as a hazardous waste. As an example, the used glass-etching compound above would still be a D002 corrosive hazardous waste if its pH after use is less than two.

For more information on hazardous waste characteristics, see MPCA hazardous waste fact sheet #2.04, *Characteristic Wastes*, available at <http://www.pca.state.mn.us/publications/w-hw2-04.pdf>.

All wastes having the generic name contained in the U List are regulated

Although a single Chemical Abstract Service (CAS) Registry Number accompanies each waste contained in the U List, the CAS Number is included only as an aid to identification and does not restrict the list to the unique chemical identified by that CAS Number. All wastes having the generic name contained in the U List are regulated, regardless of their specific CAS Numbers.

Reason for listing

Each waste on the U List is included for one or more of the following reasons identified by the capitalized letters in parentheses following the generic name:

- Corrosive (C)
- Ignitable (I)
- Reactive (R)
- Toxic (T)

Listing-specific information

Many wastes on the U List have additional listing-specific information associated with them, including special definitions and possible exemptions. This information is referenced in this document by the numbers in superscript following the reason for listing. Explanation of the numbers is given on page 18.

Although the MPCA has included the most common particulars in this guidance, the EPA may have issued additional interpretation not contained in this document.

Waste codes

A four-character hazardous waste code is assigned to each waste on the list. Use this code for annual reporting and manifesting of hazardous wastes.

The list is organized alphabetically by the listed generic name. Remember that many chemical compounds are known by many chemical names, and only one or a few of those names may be printed in the list.

U List

Waste code	CAS Registry #	Generic name	Reason
U394	30558-43-1	A2213	(T)
U001	75-07-0	Acetaldehyde	(I) ¹
U034	75-87-6	Acetaldehyde, trichloro-	(T)
U187	62-44-2	Acetamide, N-(4-ethoxyphenyl)-	(T)
U005	53-96-3	Acetamide, N-9H-fluoren-2-yl-	(T)
U240	94-75-7	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters	(T) ²
U112	141-78-6	Acetic acid ethyl ester	(I) ¹
U144	301-04-2	Acetic acid, lead(2+) salt	(T)
U214	563-68-8	Acetic acid, thallium(1+) salt	(T)
U002	67-64-1	Acetone	(I) ¹
U003	75-05-8	Acetonitrile	(I,T)
U004	98-86-2	Acetophenone	(T)
U005	53-96-3	2-Acetylaminofluorene	(T)
U006	75-36-5	Acetyl chloride	(C,R,T)
U007	79-06-1	Acrylamide	(T)
U008	79-10-7	Acrylic acid	(I) ¹
U009	107-13-1	Acrylonitrile	(T)
U011	61-82-5	Amitrole	(T)
U012	62-53-3	Aniline	(I,T)
U136	75-60-5	Arsinic acid, dimethyl-	(T)
U014	492-80-8	Auramine	(T)
U015	115-02-6	Azaserine	(T)

Waste code	CAS Registry #	Generic name	Reason
U010	50-07-7	Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8- [[[(aminocarbonyl)oxy]methyl] -1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5- methyl-, [1aS-(1aalpha, 8beta,8aalpha,8balpha)]-	(T)
U280	101-27-9	Barban	(T)
U278	22781-23-3	Bendiocarb	(T)
U364	22961-82-6	Bendiocarb phenol	(T)
U271	17804-35-2	Benomyl	(T)
U157	56-49-5	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	(T)
U016	225-51-4	Benz[c]acridine	(T)
U017	98-87-3	Benzal chloride	(T)
U192	23950-58-5	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	(T)
U018	56-55-3	Benz[a]anthracene	(T)
U094	57-97-6	Benz[a]anthracene, 7,12-dimethyl-	(T)
U012	62-53-3	Benzenamine	(I,T)
U014	492-80-8	Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-	(T)
U049	3165-93-3	Benzenamine, 4-chloro-2-methyl-, hydrochloride	(T)
U093	60-11-7	Benzenamine, N,N-dimethyl-4-(phenylazo)-	(T)
U328	95-53-4	Benzenamine, 2-methyl-	(T)
U353	106-49-0	Benzenamine, 4-methyl-	(T)
U158	101-14-4	Benzenamine, 4,4'-methylenebis[2-chloro-	(T)
U222	636-21-5	Benzenamine, 2-methyl-, hydrochloride	(T)
U181	99-55-8	Benzenamine, 2-methyl-5-nitro-	(T)
U019	71-43-2	Benzene	(I,T) ³
U038	510-15-6	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester	(T)
U030	101-55-3	Benzene, 1-bromo-4-phenoxy-	(T)
U035	305-03-3	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	(T)
U037	108-90-7	Benzene, chloro-	(T)
U221	25376-45-8	Benzenediamine, ar-methyl-	(T)
U028	117-81-7	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	(T)
U069	84-74-2	1,2-Benzenedicarboxylic acid, dibutyl ester	(T)
U088	84-66-2	1,2-Benzenedicarboxylic acid, diethyl ester	(T)
U102	131-11-3	1,2-Benzenedicarboxylic acid, dimethyl ester	(T)
U107	117-84-0	1,2-Benzenedicarboxylic acid, dioctyl ester	(T)
U070	95-50-1	Benzene, 1,2-dichloro-	(T)
U071	541-73-1	Benzene, 1,3-dichloro-	(T)
U072	106-46-7	Benzene, 1,4-dichloro-	(T)

Waste code	CAS Registry #	Generic name	Reason
U060	72-54-8	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-	(T)
U017	98-87-3	Benzene, (dichloromethyl)-	(T)
U223	26471-62-5	Benzene, 1,3-diisocyanatomethyl-	(R,T)
U239	1330-20-7	Benzene, dimethyl-	(I) ¹
U201	108-46-3	1,3-Benzenediol	(T)
U127	118-74-1	Benzene, hexachloro-	(T)
U056	110-82-7	Benzene, hexahydro-	(I) ¹
U220	108-88-3	Benzene, methyl-	(T)
U105	121-14-2	Benzene, 1-methyl-2,4-dinitro-	(T)
U106	606-20-2	Benzene, 2-methyl-1,3-dinitro-	(T)
U055	98-82-8	Benzene, (1-methylethyl)-	(I)1
U169	98-95-3	Benzene, nitro-	(T)
U183	608-93-5	Benzene, pentachloro-	(T)
U185	82-68-8	Benzene, pentachloronitro-	(T)
U020	98-09-9	Benzenesulfonic acid chloride	(C,R) ¹
U020	98-09-9	Benzenesulfonyl chloride	(C,R) ¹
U207	95-94-3	Benzene, 1,2,4,5-tetrachloro-	(T)
U061	50-29-3	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	(T)
U247	72-43-5	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4- methoxy-	(T)
U023	98-07-7	Benzene, (trichloromethyl)-	(T)
U234	99-35-4	Benzene, 1,3,5-trinitro-	(T)
U021	92-87-5	Benzidine	(T)
U202	81-07-2	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts	(T) ²
U278	22781-23-3	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate	(T)
U364	22961-82-6	1,3-Benzodioxol-4-ol, 2,2-dimethyl-,	(T)
U203	94-59-7	1,3-Benzodioxole, 5-(2-propenyl)-	(T)
U141	120-58-1	1,3-Benzodioxole, 5-(1-propenyl)-	(T)
U367	1563-38-8	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-	(T)
U090	94-58-6	1,3-Benzodioxole, 5-propyl-	(T)
U064	189-55-9	Benzo[rs]t]pentaphene	(T)
U248	81-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less	(T) ^{2,5}
U022	50-32-8	Benzo[a]pyrene	(T)
U197	106-51-4	p-Benzoquinone	(T)
U023	98-07-7	Benzotrichloride	(C,R,T)
U085	1464-53-5	2,2'-Bioxirane	(T)

Waste code	CAS Registry #	Generic name	Reason
U021	92-87-5	[1,1'-Biphenyl]-4,4'-diamine	(T)
U073	91-94-1	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-	(T)
U091	119-90-4	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-	(T)
U095	119-93-7	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-	(T)
U225	75-25-2	Bromoform	(T)
U030	101-55-3	4-Bromophenyl phenyl ether	(T)
U128	87-68-3	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	(T)
U172	924-16-3	1-Butanamine, N-butyl-N-nitroso-	(T)
U031	71-36-3	1-Butanol	(I) ¹
U159	78-93-3	2-Butanone	(I,T)
U160	1338-23-4	2-Butanone, peroxide	(R,T)
U053	4170-30-3	2-Butenal	(T)
U074	764-41-0	2-Butene, 1,4-dichloro-	(I,T)
U143	303-34-4	2-Butenoic acid, 2-methyl-, 7-[[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy] methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester,[1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-	(T)
U031	71-36-3	n-Butyl alcohol	(I) ¹
U136	75-60-5	Cacodylic acid	(T)
U032	13765-19-0	Calcium chromate	(T)
U372	10605-21-7	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester	(T)
U271	17804-35-2	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester	(T)
U280	101-27-9	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester	(T)
U238	51-79-6	Carbamic acid, ethyl ester	(T)
U178	615-53-2	Carbamic acid, methylnitroso-, ethyl ester	(T)
U373	122-42-9	Carbamic acid, phenyl-, 1-methylethyl ester	(T)
U409	23564-05-8	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester	(T)
U097	79-44-7	Carbamic chloride, dimethyl-	(T)
U389	2303-17-5	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester	(T)
U387	52888-80-9	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	(T)
U114	1 111-54-6	Carbamodithioic acid, 1,2-ethanedylbis-, salts & esters	(T)
U062	2303-16-4	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	(T)
U279	63-25-2	Carbaryl	(T)
U372	10605-21-7	Carbendazim	(T)
U367	1563-38-8	Carbofuran phenol	(T)

Waste code	CAS Registry #	Generic name	Reason
U215	6533-73-9	Carbonic acid, dithallium(1+) salt	(T)
U033	353-50-4	Carbonic difluoride	(T)
U156	79-22-1	Carbonochloridic acid, methyl ester	(I,T)
U033	353-50-4	Carbon oxyfluoride	(R,T)
U211	56-23-5	Carbon tetrachloride	(T) ³
U034	75-87-6	Chloral	(T)
U035	305-03-3	Chlorambucil	(T)
U036	57-74-9	Chlordane, alpha & gamma isomers	(T) ³
U026	494-03-1	Chlornaphazin	(T)
U037	108-90-7	Chlorobenzene	(T) ³
U038	510-15-6	Chlorobenzilate	(T)
U039	59-50-7	p-Chloro-m-cresol	(T)
U042	110-75-8	2-Chloroethyl vinyl ether	(T)
U044	67-66-3	Chloroform	(T) ³
U046	107-30-2	Chloromethyl methyl ether	(T)
U047	91-58-7	beta-Chloronaphthalene	(T)
U048	95-57-8	o-Chlorophenol	(T)
U049	3165-93-3	4-Chloro-o-toluidine, hydrochloride	(T)
U032	13765-19-0	Chromic acid H ₂ CrO ₄ , calcium salt	(T)
U050	218-01-9	Chrysene	(T)
U051	-----	Creosote	(T)
U052	1319-77-3	Cresol (Cresylic acid)	(T) ³
U053	4170-30-3	Crotonaldehyde	(T)
U055	98-82-8	Cumene	(I) ¹
U246	506-68-3	Cyanogen bromide (CN)Br	(T)
U197	106-51-4	2,5-Cyclohexadiene-1,4-dione	(T)
U056	110-82-7	Cyclohexane	(I) ¹
U129	58-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-	(T)
U057	108-94-1	Cyclohexanone	(I) ¹
U130	77-47-4	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	(T)
U058	50-18-0	Cyclophosphamide	(T)
U240	94-75-7	2,4-D, salts & esters	(T) ^{2,3}
U059	20830-81-3	Daunomycin	(T)
U060	72-54-8	DDD	(T)
U061	50-29-3	DDT	(T)

Waste code	CAS Registry #	Generic name	Reason
U062	2303-16-4	Diallate	(T)
U063	53-70-3	Dibenz[a,h]anthracene	(T)
U064	189-55-9	Dibenzo[a,i]pyrene	(T)
U066	96-12-8	1,2-Dibromo-3-chloropropane	(T)
U069	84-74-2	Dibutyl phthalate	(T)
U070	95-50-1	o-Dichlorobenzene	(T)
U071	541-73-1	m-Dichlorobenzene	(T)
U072	106-46-7	p-Dichlorobenzene	(T)
U073	91-94-1	3,3'-Dichlorobenzidine	(T)
U074	764-41-0	1,4-Dichloro-2-butene	(I,T)
U075	75-71-8	Dichlorodifluoromethane	(T)
U078	75-35-4	1,1-Dichloroethylene	(T) ³
U079	156-60-5	1,2-Dichloroethylene	(T)
U025	111-44-4	Dichloroethyl ether	(T)
U027	108-60-1	Dichloroisopropyl ether	(T)
U024	111-91-1	Dichloromethoxy ethane	(T)
U081	120-83-2	2,4-Dichlorophenol	(T)
U082	87-65-0	2,6-Dichlorophenol	(T)
U084	542-75-6	1,3-Dichloropropene	(T)
U085	1464-53-5	1,2:3,4-Diepoxybutane	(I,T)
U108	123-91-1	1,4-Diethyleneoxide	(T)
U028	117-81-7	Diethylhexyl phthalate	(T)
U395	5952-26-1	Diethylene glycol, dicarbamate	(T)
U086	1615-80-1	N,N'-Diethylhydrazine	(T)
U087	3288-58-2	O,O-Diethyl S-methyl dithiophosphate	(T)
U088	84-66-2	Diethyl phthalate	(T)
U089	56-53-1	Diethylstilbesterol	(T)
U090	94-58-6	Dihydrosafrole	(T)
U091	119-90-4	3,3'-Dimethoxybenzidine	(T)
U092	124-40-3	Dimethylamine	(I) ¹
U093	60-11-7	p-Dimethylaminoazobenzene	(T)
U094	57-97-6	7,12-Dimethylbenz[a]anthracene	(T)
U095	119-93-7	3,3'-Dimethylbenzidine	(T)
U096	80-15-9	alpha,alpha-Dimethylbenzylhydroperoxide	(R) ¹
U097	79-44-7	Dimethylcarbamoyl chloride	(T)
U098	57-14-7	1,1-Dimethylhydrazine	(T)

Waste code	CAS Registry #	Generic name	Reason
U099	540-73-8	1,2-Dimethylhydrazine	(T)
U101	105-67-9	2,4-Dimethylphenol	(T)
U102	131-11-3	Dimethyl phthalate	(T)
U103	77-78-1	Dimethyl sulfate	(T)
U105	121-14-2	2,4-Dinitrotoluene	(T) ³
U106	606-20-2	2,6-Dinitrotoluene	(T)
U107	117-84-0	Di-n-octyl phthalate	(T)
U108	123-91-1	1,4-Dioxane	(T)
U109	122-66-7	1,2-Diphenylhydrazine	(T)
U110	142-84-7	Dipropylamine	(I) ¹
U111	621-64-7	Di-n-propylnitrosamine	(T)
U041	106-89-8	Epichlorohydrin	(T)
U001	75-07-0	Ethanal	(I) ¹
U404	121-44-8	Ethanamine, N,N-diethyl-	(T)
U174	55-18-5	Ethanamine, N-ethyl-N-nitroso-	(T)
U155	91-80-5	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	(T)
U067	106-93-4	Ethane, 1,2-dibromo-	(T)
U076	75-34-3	Ethane, 1,1-dichloro-	(T)
U077	107-06-2	Ethane, 1,2-dichloro-	(T)
U131	67-72-1	Ethane, hexachloro-	(T)
U024	111-91-1	Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	(T)
U117	60-29-7	Ethane, 1,1'-oxybis-	(I) ¹
U025	111-44-4	Ethane, 1,1'-oxybis[2-chloro-	(T)
U184	76-01-7	Ethane, pentachloro-	(T)
U208	630-20-6	Ethane, 1,1,1,2-tetrachloro-	(T)
U209	79-34-5	Ethane, 1,1,2,2-tetrachloro-	(T)
U218	62-55-5	Ethanethioamide	(T)
U226	71-55-6	Ethane, 1,1,1-trichloro-	(T)
U227	79-00-5	Ethane, 1,1,2-trichloro-	(T)
U410	59669-26-0	Ethanimidothioic acid, N,N'- [thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester	(T)
U394	30558-43-1	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester	(T)
U359	110-80-5	Ethanol, 2-ethoxy-	(T)
U173	1116-54-7	Ethanol, 2,2'-(nitrosoimino)bis-	(T)
U395	5952-26-1	Ethanol, 2,2'-oxybis-, dicarbamate	(T)
U004	98-86-2	Ethanone, 1-phenyl-	(T)

Waste code	CAS Registry #	Generic name	Reason
U043	75-01-4	Ethene, chloro-	(T)
U042	110-75-8	Ethene, (2-chloroethoxy)-	(T)
U078	75-35-4	Ethene, 1,1-dichloro-	(T)
U079	156-60-5	Ethene, 1,2-dichloro-, (E)-	(T)
U210	127-18-4	Ethene, tetrachloro-	(T)
U228	79-01-6	Ethene, trichloro-	(T)
U112	141-78-6	Ethyl acetate	(I) ¹
U113	140-88-5	Ethyl acrylate	(I)1
U238	51-79-6	Ethyl carbamate (urethane)	(T)
U117	60-29-7	Ethyl ether	(I)1
U114	111-54-6	Ethylenebisdithiocarbamic acid, salts & esters	(T)2
U067	106-93-4	Ethylene dibromide	(T)
U077	107-06-2	Ethylene dichloride	(T)
U359	110-80-5	Ethylene glycol monoethyl ether	(T)
U115	75-21-8	Ethylene oxide	(I,T)
U116	96-45-7	Ethylenethiourea	(T)
U076	75-34-3	Ethylidene dichloride	(T)
U118	97-63-2	Ethyl methacrylate	(T)
U119	62-50-0	Ethyl methanesulfonate	(T)
U120	206-44-0	Fluoranthene	(T)
U122	50-00-0	Formaldehyde	(T)4
U123	64-18-6	Formic acid	(C,T)
U124	110-00-9	Furan	(I) ¹
U125	98-01-1	2-Furancarboxaldehyde	(I) ¹
U147	108-31-6	2,5-Furandione	(T)
U213	109-99-9	Furan, tetrahydro-	(I) ¹
U125	98-01-1	Furfural	(I) ¹
U124	110-00-9	Furfuran	(I) ¹
U206	18883-66-4	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-	(T)
U206	18883-66-4	D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)- carbonyl]amino]-	(T)
U126	765-34-4	Glycidylaldehyde	(T)
U163	70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso-	(T)
U127	118-74-1	Hexachlorobenzene	(T) ³
U128	87-68-3	Hexachlorobutadiene	(T) ³
U130	77-47-4	Hexachlorocyclopentadiene	(T)
U131	67-72-1	Hexachloroethane	(T) ³

Waste code	CAS Registry #	Generic name	Reason
U132	70-30-4	Hexachlorophene	(T)
U243	1888-71-7	Hexachloropropene	(T)
U133	302-01-2	Hydrazine (R,T)	(T)
U086	1615-80-1	Hydrazine, 1,2-diethyl-	(T)
U098	57-14-7	Hydrazine, 1,1-dimethyl-	(T)
U099	540-73-8	Hydrazine, 1,2-dimethyl-	(T)
U109	122-66-7	Hydrazine, 1,2-diphenyl-	(T)
U134	7664-39-3	Hydrofluoric acid	(C,T)
U134	7664-39-3	Hydrogen fluoride	(C,T)
U135	7783-06-4	Hydrogen sulfide	(T)
U135	7783-06-4	Hydrogen sulfide H2 S	(T)
U096	80-15-9	Hydroperoxide, 1-methyl-1-phenylethyl-	(R) ¹
U116	96-45-7	2-Imidazolidinethione	(T)
U137	193-39-5	Indeno[1,2,3-cd]pyrene	(T)
U190	85-44-9	1,3-Isobenzofurandione	(T)
U140	78-83-1	Isobutyl alcohol	(I,T)
U141	120-58-1	Isosafrole	(T)
U142	143-50-0	Kepone	(T)
U143	303-34-4	Lasiocarpine	(T)
U144	301-04-2	Lead acetate	(T)
U146	1335-32-6	Lead, bis(acetato-O)tetrahydroxytri-	(T)
U145	7446-27-7	Lead phosphate	(T)
U146	1335-32-6	Lead subacetate	(T)
U129	58-89-9	Lindane	(T) ³
U163	70-25-7	MNNG	(T)
U147	108-31-6	Maleic anhydride	(T)
U148	123-33-1	Maleic hydrazide	(T)
U149	109-77-3	Malononitrile	(T)
U150	148-82-3	Melphalan	(T)
U151	7439-97-6	Mercury	(T) ³
U152	126-98-7	Methacrylonitrile	(I, T)
U092	124-40-3	Methanamine, N-methyl-	(I) ¹
U029	74-83-9	Methane, bromo-	(T)
U045	74-87-3	Methane, chloro-	(I, T)
U046	107-30-2	Methane, chloromethoxy-	(T)
U068	74-95-3	Methane, dibromo-	(T)

Waste code	CAS Registry #	Generic name	Reason
U080	75-09-2	Methane, dichloro-	(T)
U075	75-71-8	Methane, dichlorodifluoro-	(T)
U138	74-88-4	Methane, iodo-	(T)
U119	62-50-0	Methanesulfonic acid, ethyl ester	(T)
U211	56-23-5	Methane, tetrachloro-	(T)
U153	74-93-1	Methanethiol	(I, T)
U225	75-25-2	Methane, tribromo-	(T)
U044	67-66-3	Methane, trichloro-	(T)
U121	75-69-4	Methane, trichlorofluoro-	(T)
U036	57-74-9	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	(T)
U154	67-56-1	Methanol	(I) ¹
U155	91-80-5	Methapyrilene	(T)
U142	143-50-0	1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-	(T)
U247	72-43-5	Methoxychlor	(T) ³
U154	67-56-1	Methyl alcohol	(I) ¹
U029	74-83-9	Methyl bromide	(T)
U186	504-60-9	1-Methylbutadiene	(I) ¹
U045	74-87-3	Methyl chloride	(I,T)
U156	79-22-1	Methyl chlorocarbonate	(I,T)
U226	71-55-6	Methyl chloroform	(T)
U157	56-49-5	3-Methylcholanthrene	(T)
U158	101-14-4	4,4'-Methylenebis(2-chloroaniline)	(T)
U068	74-95-3	Methylene bromide	(T)
U080	75-09-2	Methylene chloride	(T)
U159	78-93-3	Methyl ethyl ketone (MEK)	(I,T) ³
U160	1338-23-4	Methyl ethyl ketone peroxide	(R,T)
U138	74-88-4	Methyl iodide	(T)
U161	108-10-1	Methyl isobutyl ketone	(I) ¹
U162	80-62-6	Methyl methacrylate	(I,T)
U161	108-10-1	4-Methyl-2-pentanone	(I) ¹
U164	56-04-2	Methylthiouracil	(T)
U010	50-07-7	Mitomycin C	(T)
U059	20830-81-3	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl]oxy]- 7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)	(T)

Waste code	CAS Registry #	Generic name	Reason
U167	134-32-7	1-Naphthalenamine	(T)
U168	91-59-8	2-Naphthalenamine	(T)
U026	494-03-1	Naphthalenamine, N,N'-bis(2-chloroethyl)-	(T)
U165	91-20-3	Naphthalene	(T)
U047	91-58-7	Naphthalene, 2-chloro-	(T)
U166	130-15-4	1,4-Naphthalenedione	(T)
U236	72-57-1	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt	(T)
U279	63-25-2	1-Naphthalenol, methylcarbamate	(T)
U166	130-15-4	1,4-Naphthoquinone	(T)
U167	134-32-7	alpha-Naphthylamine	(T)
U168	91-59-8	beta-Naphthylamine	(T)
U217	10102-45-1	Nitric acid, thallium(1+) salt	(T)
U169	98-95-3	Nitrobenzene (I,T)	(T) ³
U170	100-02-7	p-Nitrophenol	(T)
U171	79-46-9	2-Nitropropane	(I,T)
U172	924-16-3	N-Nitrosodi-n-butylamine	(T)
U173	1116-54-7	N-Nitrosodiethanolamine	(T)
U174	55-18-5	N-Nitrosodiethylamine	(T)
U176	759-73-9	N-Nitroso-N-ethylurea	(T)
U177	684-93-5	N-Nitroso-N-methylurea	(T)
U178	615-53-2	N-Nitroso-N-methylurethane	(T)
U179	100-75-4	N-Nitrosopiperidine	(T)
U180	930-55-2	N-Nitrosopyrrolidine	(T)
U181	99-55-8	5-Nitro-o-toluidine	(T)
U193	1120-71-4	1,2-Oxathiolane, 2,2-dioxide	(T)
U058	50-18-0	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide	(T)
U115	75-21-8	Oxirane	(I,T)
U126	765-34-4	Oxiranecarboxyaldehyde	(T)
U041	106-89-8	Oxirane, (chloromethyl)-	(T)
U182	123-63-7	Paraldehyde	(T)
U183	608-93-5	Pentachlorobenzene	(T)
U184	76-01-7	Pentachloroethane	(T)
U185	82-68-8	Pentachloronitrobenzene (PCNB)	(T)
U161	108-10-1	Pentanol, 4-methyl-	(I) ¹

Waste code	CAS Registry #	Generic name	Reason
U186	504-60-9	1,3-Pentadiene	(I) ¹
U187	62-44-2	Phenacetin	(T)
U188	108-95-2	Phenol	(T)
U048	95-57-8	Phenol, 2-chloro-	(T)
U039	59-50-7	Phenol, 4-chloro-3-methyl-	(T)
U081	120-83-2	Phenol, 2,4-dichloro-	(T)
U082	87-65-0	Phenol, 2,6-dichloro-	(T)
U089	56-53-1	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-	(T)
U101	105-67-9	Phenol, 2,4-dimethyl-	(T)
U052	1319-77-3	Phenol, methyl-	(T)
U132	70-30-4	Phenol, 2,2'-methylenebis[3,4,6-trichloro-	(T)
U411	114-26-1	Phenol, 2-(1-methylethoxy)-, methylcarbamate.	(T)
U170	100-02-7	Phenol, 4-nitro-	(T)
U150	148-82-3	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	(T)
U145	7446-27-7	Phosphoric acid, lead(2+) salt (2:3)	(T)
U087	3288-58-2	Phosphorodithioic acid, O,O-diethyl S-methyl ester	(T)
U189	1314-80-3	Phosphorus sulfide	(R) ¹
U190	85-44-9	Phthalic anhydride	(T)
U191	109-06-8	2-Picoline	(T)
U179	100-75-4	Piperidine, 1-nitroso-	(T)
U192	23950-58-5	Pronamide	(T)
U194	107-10-8	1-Propanamine	(I,T)
U111	621-64-7	1-Propanamine, N-nitroso-N-propyl-	(T)
U110	142-84-7	1-Propanamine, N-propyl-	(I) ¹
U066	96-12-8	Propane, 1,2-dibromo-3-chloro-	(T)
U083	78-87-5	Propane, 1,2-dichloro-	(T)
U149	109-77-3	Propanedinitrile	(T)
U171	79-46-9	Propane, 2-nitro-	(I,T)
U027	108-60-1	Propane, 2,2'-oxybis[2-chloro-	(T)
U193	1120-71-4	1,3-Propane sultone	(T)
U235	126-72-7	1-Propanol, 2,3-dibromo-, phosphate (3:1)	(T)
U140	78-83-1	1-Propanol, 2-methyl-	(I,T)
U002	67-64-1	2-Propanone	(I) ¹
U007	79-06-1	2-Propenamide	(T)
U084	542-75-6	1-Propene, 1,3-dichloro-	(T)
U243	1888-71-7	1-Propene, 1,1,2,3,3,3-hexachloro-	(T)

Waste code	CAS Registry #	Generic name	Reason
U009	107-13-1	2-Propenenitrile	(T)
U152	126-98-7	2-Propenenitrile, 2-methyl-	(I,T)
U008	79-10-7	2-Propenoic acid	(I) ¹
U113	140-88-5	2-Propenoic acid, ethyl ester	(I) ¹
U118	97-63-2	2-Propenoic acid, 2-methyl-, ethyl ester	(T)
U162	80-62-6	2-Propenoic acid, 2-methyl-, methyl ester	(I,T)
U373	122-42-9	Propham	(T)
U411	114-26-1	Propoxur	(T)
U387	52888-80-9	Prosulfocarb	(T)
U194	107-10-8	n-Propylamine	(I,T)
U083	78-87-5	Propylene dichloride	(T)
U148	123-33-1	3,6-Pyridazinedione, 1,2-dihydro-	(T)
U196	110-86-1	Pyridine	(T) ³
U191	109-06-8	Pyridine, 2-methyl-	(T)
U237	66-75-1	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2- chloroethyl)amino]-	(T)
U164	56-04-2	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	(T)
U180	930-55-2	Pyrrolidine, 1-nitroso-	(T)
U200	50-55-5	Reserpine	(T)
U201	108-46-3	Resorcinol	(T)
U203	94-59-7	Safrole	(T)
U204	7783-00-8	Selenious acid	(T)
U204	7783-00-8	Selenium dioxide	(T)
U205	7488-56-4	Selenium sulfide	(T)
U205	7488-56-4	Selenium sulfide SeS2	(R,T)
U015	115-02-6	L-Serine, diazoacetate (ester)	(T)
U206	18883-66-4	Streptozotocin	(T)
U103	77-78-1	Sulfuric acid, dimethyl ester	(T)
U189	1314-80-3	Sulfur phosphide	(R) ¹
U207	95-94-3	1,2,4,5-Tetrachlorobenzene	(T)
U208	630-20-6	1,1,1,2-Tetrachloroethane	(T)
U209	79-34-5	1,1,2,2-Tetrachloroethane	(T)
U210	127-18-4	Tetrachloroethylene	(T) ³
U213	109-99-9	Tetrahydrofuran	(I)1
U214	563-68-8	Thallium(I) acetate	(T)
U215	6533-73-9	Thallium(I) carbonate	(T)
U216	7791-12-0	Thallium(I) chloride	(T)

Waste code	CAS Registry #	Generic name	Reason
U216	7791-12-0	Thallium chloride TlCl	(T)
U217	10102-45-1	Thallium(I) nitrate	(T)
U218	62-55-5	Thioacetamide	(T)
U410	59669-26-0	Thiodicarb	(T)
U153	74-93-1	Thiomethanol	(I,T)
U244	137-26-8	Thioperoxydicarbonic diamide [(H2 N)C(S)]2 S2, tetramethyl-	(T)
U409	23564-05-8	Thiophanate-methyl	(T)
U219	62-56-6	Thiourea	(T)
U244	137-26-8	Thiram	(T)
U220	108-88-3	Toluene	(T)
U221	25376-45-8	Toluenediamine	(T)
U223	26471-62-5	Toluene diisocyanate	(R,T)
U328	95-53-4	o-Toluidine	(T)
U353	106-49-0	p-Toluidine	(T)
U222	636-21-5	o-Toluidine hydrochloride	(T)
U389	2303-17-5	Triallate	(T)
U011	61-82-5	1H-1,2,4-Triazol-3-amine	(T)
U226	71-55-6	1,1,1-Trichloroethane	(T)
U227	79-00-5	1,1,2-Trichloroethane	(T)
U228	79-01-6	Trichloroethylene	(T) ³
U121	75-69-4	Trichloromonofluoromethane	(T)
U404	121-44-8	Triethylamine	(T)
U234	99-35-4	1,3,5-Trinitrobenzene	(R,T)
U182	123-63-7	1,3,5-Trioxane, 2,4,6-trimethyl-	(T)
U235	126-72-7	Tris(2,3-dibromopropyl) phosphate	(T)
U236	72-57-1	Trypan blue	(T)
U237	66-75-1	Uracil mustard	(T)
U176	759-73-9	Urea, N-ethyl-N-nitroso-	(T)
U177	684-93-5	Urea, N-methyl-N-nitroso-	(T)
U043	75-01-4	Vinyl chloride	(T) ³
U248	81-81-2	Warfarin, & salts, when present at concentrations of 0.3% or less	(T) ^{2,5}
U239	1330-20-7	Xylene	(I) ¹
U200	50-55-5	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta,16beta,17alpha,18beta,20alpha)-	(T)
U249	1314-84-7	Zinc phosphide Zn3 P2, when present at concentrations of 10% or less	(T) ⁶

Explanation of superscripts

1. Wastes are not U Listed if they are not listed for toxicity and also do not exhibit the characteristics of corrosivity, ignitability, or reactivity at the time they become a waste.

For more information on this exemption, see MPCA hazardous waste fact sheet #8.01, *Exclusion of Some Characteristic Wastes under Certain Conditions*, available at <http://www.pca.state.mn.us/publications/w-hw8-01.pdf>.

2. These listings include both the parent named compound and also daughter compound salts or other daughter compounds where specified. The CAS Registry Number is given only for the parent compound.
3. Note that the wastes in these listings are Toxicity Characteristic hazardous wastes above certain concentrations, regardless of whether disposed of after use or as other than the sole active ingredient.

For more information on the Toxicity Characteristic, see MPCA hazardous waste fact sheet #2.04, *Characteristic Wastes*, available at <http://www.pca.state.mn.us/publications/w-hw2-04.pdf>.

4. Formaldehyde is a Lethality Characteristic hazardous waste if the concentration at disposal is greater than 20 percent, regardless of whether it is disposed of after use or as other than the sole active ingredient.

For more information on the Lethality Characteristic, see MPCA hazardous waste fact sheet #2.05, *The Lethality Characteristic*, available at <http://www.pca.state.mn.us/publications/w-hw2-05.pdf>.

5. Warfarin at an original concentration of greater than 0.3 percent is a P001 P-listed acute hazardous waste.

For more information on the P List, see MPCA hazardous waste fact sheet #2.02, *P List of Acute Hazardous Waste*, available at <http://www.pca.state.mn.us/publications/w-hw2-02.pdf>.

6. Zinc phosphide at an original concentration of greater than 10% is a P122 P Listed acute hazardous waste.

More information

Your metropolitan county and the MPCA have staff available to answer waste management questions. For more information, contact your metropolitan county hazardous waste office or your nearest MPCA regional hazardous waste staff. For information about waste reduction, contact the Minnesota Technical Assistance Program.

Metro County Hazardous Waste Offices

Anoka	763-422-7093
Carver	952-361-1800
Dakota	952-891-7557
Hennepin	612-348-3777
Ramsey	651-266-1199
Scott County	952-496-8475
Washington County	651-430-6655
Web sites.....	http://www.co.[county].mn.us

Minnesota Technical Assistance Program

Toll free.....	1-800-247-0015
Metro	612-624-1300
Web site	http://www.mntap.umn.edu

Minnesota Pollution Control Agency

Toll free (all offices)	1-800-657-3864
Brainerd.....	218-828-2492
Detroit Lakes.....	218-847-1519
Duluth	218-723-4660
Mankato	507-389-5977
Marshall	507-537-7146
Rochester.....	507-285-7343
St. Paul	651-296-6300
Willmar	320-214-3786
Web site	http://www.pca.state.mn.us